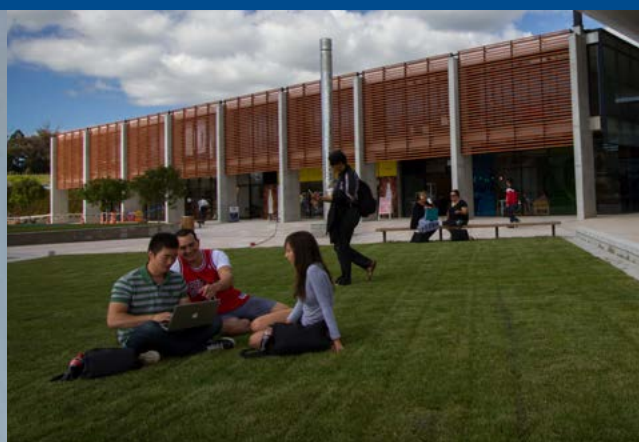


2015 Massey University Calendar

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Diary of Key Dates	Massey University Qualifications	
Qualification Regulations	Doctoral Degrees	Master's Degrees
Bachelor's Honours Degrees	Bachelor's Degrees	Postgraduate Diplomas
Postgraduate Certificates	Graduate Diplomas	Graduate Certificates
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The Arms and Colours of the University

By the authority of the Duke of Norfolk, Earl Marshal and Hereditary Marshal of England, the Kings of Arms assigned arms to Massey University on the 10th day of May 1967. The arms are defined as:

Gyronny of 10 argent and azure a mullet gules fimbriated argent and irradiated or and for the crest on a wreath of the colours issuant from flames proper a ram's head argent horned and ensigned by the horns of the African long-legged ram.

On a scroll appear the words 'floreare scientia', which means, translated from Latin, 'Let knowledge flourish'.

The symbolism of the design is interpreted as follows:

The star is from the Arms of New Zealand. Here it also represents knowledge and learning and so has been irradiated. It is in the centre of the shield, being the central theme of the University. The background, a gyronny of 10 pieces in blue and white, represents the 10 degrees first offered by the University. The crest is the ram's head that was used in former years by the students' association. This, with its four horns, is unusual and memorable and provides a link with agriculture and the former college. There are many ram's head crests used in heraldry, so this one is made distinctive by proceeding from flames of learning. The flames also suggest, phoenix-like, the idea of a new body being born out of an old.

The University colours and their British Colour Council reference numbers are:

	BCC Name	BCC Number
University blue	midnight	90
Light blue	forget-me-not	84
White		

Disclaimer

The information contained in this publication is indicative of the offerings available in 2015 and subsequent years. This information is correct at the time of going to press, but is subject to change. The University reserves the right to introduce new and/or changed regulations and/or to change the content of papers and/or to withdraw any qualification or paper and/or to limit the number of students in a any qualification or paper should circumstances so require.

GENERAL UNIVERSITY INFORMATION

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Welcome Message

Welcome to Massey University. Ka rere atu ngā mihi o Te Kunenga ki Pūrehuroa ki a koutou.

Throughout its history, Massey has played a uniquely important role in the development of New Zealand through its groundbreaking research, its distinctive mix of internal, distance (extramural) and international teaching, commitment to innovation, and connections with communities.

Massey has served generations of learners from all backgrounds. Our students experience research-led teaching, innovative modes of delivery, outstanding student support services and high quality resources.

Our ambition is that all Massey students graduate with academic excellence and creative, innovative approaches that will serve them well in whatever they choose to do. The concepts and sentiments in this welcome underpin the Massey University waiata – Te Kunenga ki Pūrehuroa.

Nei rā te reo karanga e tau atu nei. Ki te hāpai ake i te rau tāngata. Whakaako, whakaeke ki te kōmata.

Te ara mātauranga ka whakarewa e. Te māramatanga ka kitea e. Kimihia, rangahaua kia whita e.

Te Kunenga ki Pūrehuroa!

The staff at Massey University joins with me in wishing you well with your studies.

Nō reira, tēnā koutou katoa,

Steve Maharey

Vice-Chancellor

University Council

Massey University's governing body is the University Council. Council members include lay, academic and student members and are responsible for overseeing the management and control of the affairs, concerns and property of the University. Its Chair and ceremonial head of the University is the Chancellor, elected by Council for a one-year term from within its ranks. Council meets on the first Friday of March, May, July, September, October and December unless otherwise notified.

The University Council is established consistent with Sections (165) – (183) of the Education Act 1989.

The Council

Appointed by the Minister of Education

Helen Anderson, PhD *Camb.*

Michael Ahie, BBS(Hons)

Colin Harvey, BAgSc, BCC *Auck.*

Ben Vanderkolk, LLB *Cant.*

Vice-Chancellor of the University

Hon Steve Maharey, CNZM, BA, MA

Elected by Permanent Members of the Academic Staff

Grant Duncan, MA, PhD *Auck.*

Elected by Academic Board members

Cynthia J. White, BA(Hons), PhD, DipTESL *Well.*

Tony Signal, BSc PhD *Adel.*

Elected by Permanent Members of the General Staff

Fiona Coote, GradDipBusStuds, DipArts

Elected by Internal Massey University students and appointed by Council

Liam Tait

Elected by Distance Massey University students and appointed by Council

Vacant

Elected by Māori Massey University students and appointed by Council

Nitika Erueti-Satish

Elected by Court of Convocation

Lesley Whyte, JP, MBA

Bruce Ullrich, OBE, BCom *Cant.*, MBA, ACA, FInstD

Appointed by the Massey University Council on the Nomination of the Vice-Chancellor

Russell Ballard, CNZM, BAgSc, MAgrSc, PhD *Flor.*, FNZIM

Kura Denness, MBA, CA

Chris Kelly, MVSc, MACVSc

Ian Marshall, BCom *Natal*, CANZ, CASA

Council Committees

Audit and Risk Committee

Chairperson

Ms Kura Denness, MBA, CA

Governance Committee

Chairperson

Chris Kelly, MVSc, MACVSc

Honorary Awards Committee

Chairperson

Michael Ahie, BBS(Hons)

Performance Review Committee

Chairperson

Ben Vanderkolk, LLB *Cant.*

Disciplinary Committee

Chairperson

Paul W. Rieger, QSO, JP

Academic Board

Chairperson

To be confirmed

Academic Board

The Academic Board is established pursuant to the Education Act 1989 Section 182(a) and (b). The membership of the Board shall be comprised as follows:

- Vice-Chancellor
 - Assistant Vice-Chancellors (Research, Academic & Enterprise and Māori & Pasifika)
 - Pro Vice-Chancellors (Business, Creative Arts, Health, Humanities & Social Sciences, Sciences)
 - Directors (Pasifika, and Teaching and Learning)
 - Academic Board Sub-Committee Chairs (Scholarships, Human Ethics Chairs and Library)
 - College Board Chairs (unless appointed in another capacity)
- Academic Board Sub-Committees: Sub-Committee Chair: Doctoral Research
 - Assistant Vice-Chancellor Operations, International & University Registrar
 - University Librarian
 - Two elected Māori Academic Staff
 - 15 elected Professors, three from each College
 - 15 elected Academic staff, three from each College
 - Five student representatives (representing undergraduate, postgraduate, distance, Māori, Pasifika and international student interests).

Academic Board Committees

Academic Committee

Chairperson

Professor Brigid Heywood, BSc(Hons) *Man.*, PhD *Liv.*

Human Ethics Chairs Committee

Chairperson

Professor John O'Neill, BA *Nott.*, MSc *CNA*, PhD, PGGE *Lanc.*, DipRSA

Teaching and Learning Committee

Chairperson

Professor Brigid Heywood, BSc(Hons) *Man.*, PhD *Liv.*

University Library Committee

Chairperson

Professor Peter Lineham, BD *Otago*, MA *Cant.*, DPhil *Sus.*

University Research Committee

Chairperson

Professor Brigid Heywood, BSc(Hons) *Man.*, PhD *Liv.*

University Scholarships Committee

Acting Chairperson

Professor Brigid Heywood, BSc(Hons) *Man.*, PhD *Liv.*

College of Business College Board

Chairperson

Professor Malcolm Wright, BA, BCom *Otago*, MCA *Well.*, PhD *UniSA*

College of Creative Arts College Board

Chairperson

Professor Claire Robinson BDes, BA(Hons), PhD

College of Health College Board

Chairperson

Associate Professor Ian Laird, BSc(Hons), MSc *Lond.*, PhD, Dip HEd *Lond.*

College of Humanities and Social Sciences College Board

Chairperson

Professor Peter Lineham BD *Otago*, MA *Cant.*, DPhil *Sus.*

College of Sciences College Academic Board

Chairperson

Professor Robert Anderson, ONZM, MAgrSc, PhD *C'nell*, DDA, FNZIAS

Officers of the University

Chancellor

Chris Kelly, MVSc, MACVSc

Pro Chancellor

Michael Ahie, BBS(Hons)

Vice-Chancellor

Hon Steve Maharey, CNZM, BA, MA

University Registrar

Stuart Morriss, BAgSc, MPP *Well.*, DipBusStuds

Legislative and Regulatory Framework

Te Tiriti o Waitangi – Treaty of Waitangi

Massey University is committed to giving effect to the principles of the Treaty of Waitangi within the policies and practices of the University and to recognising the mutual benefits that follow. It will promote Māori development and full Māori participation across the University, maintain the Māori language as an official language of the University, foster mutual regard and understanding for academic knowledge and customary Māori knowledge, recognise and acknowledge the special status of tangata whenua in the mana whenua of each campus, seek opportunities for mutually beneficial partnerships with Māori, and facilitate teaching and research programmes consistent with Māori aspirations and processes.

Acts of Parliament

Massey University, like all tertiary education institutions in New Zealand, is subject to the provisions of the Education Act 1989 (including amendments).

This Act specifies the constitution, functions and duties of the Council and other matters relating to tertiary institutions.

Massey University is constituted by the Massey University Act 1963 and Section 162(1)(a) of the Education Act 1989.

Policy Guide

The Massey University Policy Guide is the authorised and definitive catalogue of approved policies within Massey University. Policies articulate the principles, values, and statements of intent and compliance requirements of the University. All members of the University community are expected to comply with relevant policies, including: Academic, Campus Facilities, Contract Management, Finance, Health and Safety, Information Technology Services, International, People and Organisational Development, Research, Risk Management, and University Management. The policies of the University are published in the Policy Guide at:

<http://policyguide.massey.ac.nz>

University Strategy

Mission

To define the future of our nation and to take the best of New Zealand to the rest of the world.

Shaping the Nation and Taking the Best to the World

Massey University began as Massey Agricultural College in 1927, located in Palmerston North in the middle of New Zealand's North Island. In 1964 it became a university; 2014 marks its 50th jubilee.

Today the University has major campuses in Palmerston North, Albany (Auckland) and Wellington. Through distance education, students can study anywhere in New Zealand and around the world. Agriculture is now part of the College of Sciences, which sits alongside the Colleges of Business, Humanities and Social Sciences, Health and Creative Arts.

Our record of achievement means that Massey University is consistently ranked in the top 3 percent of universities in the world. In signature areas such as Accounting and Finance, Agriculture, Biological Sciences, Communication and Media Studies, Defence, Design, Education, Food Technology, Psychology, Public Health, Sociology and Veterinary Medicine – it is world-leading.

Throughout its history, Massey University has embraced change both within the institution and in the wider world. We have established a reputation as a bold, innovative “can do” university that seeks to have positive impacts on the communities it serves. We are building on our traditional strengths as well as the new and diverse activities that advance New Zealand's contribution to the “big problems” of our time.

We believe that now, more than ever, Massey University has an important role to play. New Zealand and the global community face what might be described as “new times”. The scale of economic, technological, scientific, environmental, social, cultural and political change is enormous. These changes need to be understood and responded to in ways that will ensure “new times” mean “better times”.

It is for this reason that we talk about “shaping the nation and taking the best of New Zealand to the world”. We aim to make a difference.

This ambition has been captured by the seven big goals that lie at the heart of Massey University's Road to 2025 strategy:

- We are a research-led university committed to the application of knowledge.
- Our students can expect a teaching and learning environment that will enable them to be creative, innovative and connected contributors to society.
- Close attention is given to building mutually beneficial relationships with the many partners and stakeholders who work with the University.
- Increasingly our focus is on building the University's capacity and capability to work around the globe.

- As a major intellectual resource, we have been identifying ways that we can help to address the major challenges faced by New Zealand and the global community.
- We are committed to diversifying our funding base to ensure that we can resource the work of the University.
- We are providing support for staff and students to excel while investing in the information technology (IT) and physical environment they need.

As we enter the next phase of our history, we would describe ourselves as an innovative, self-reliant, outward-facing institution committed to defining our own future. Our distinctive programme of research and teaching, combined with our focus on engaging with the New Zealand community, makes us the nation's most relevant university. Our commitment to addressing the changing times in which we live makes us globally significant.

The Seven Big Goals for Massey University

Ngā Tino Whāinga o Te Kunenga ki Pūrehuroa

1. Research and Enterprise	Te Rangahau me te Umanga
To promote the highest standards of research and scholarship, be a world leader in our areas of specialisation and support active engagement with, and participation in, knowledge exchange to ensure that the intellectual capital we generate is used to best advantage.	Kia kounga rawa atu te mahi rangahau me te pūwānanga, kia tū hei kaiarataki matua mō tā mātou e matatau ai me te tautoko i te whakawhiti mātauranga e hua mai ai ko ōna painga.
2. Teaching and Learning	Te Whakaako me te Ako
To ensure an exceptional and distinctive learning experience at Massey for all students.	Kia kounga, kia motuhake hoki te wheako o ngā ākonga katoa ki Te Kunenga ki Pūrehuroa.
3. Connections	Te Kōtuitui
To strengthen our connections with tangata whenua and local, national and international partners and stakeholders, creating mutual benefits.	Kia kaha ake te tūhono ki ngā iwi, ki ngā hoa mahi, ā-rohe, ā-motu, o te ao whānui hoki, kia tipu tahi ai ngā painga.
4. Internationalisation	Te Ao Whānui
To extend our reach so that we operate worldwide as New Zealand's defining international university.	Kia whātoro atu ngā ringaringa a Te Kunenga ki Pūrehuroa ki te ao whānui hei kanohi mō Aotearoa.
5. Responsibility	Te Aronga Manaakitanga
To enhance our reputation as New Zealand's defining university by contributing to an understanding of – and providing innovative responses to – the social, economic, cultural and environmental issues including those that affect tangata whenua.	Kia hāpaitia te mana o Te Kunenga ki Pūrehuroa hei kanohi mō Aotearoa mā te hihiri o te whakaaro ki ngā take pāpori, ohaoha, ahurea, taiao, tae atu hoki ki ērā ka pā atu ki ngā tangata whenua o te motu.

6. Generating Income	Te Whakatipu Rawa
To significantly increase our income and improve our financial position to allow for more investment to enable the University to achieve its goals.	Kia kaha te whakatipu rawa me te whakapai ake i te tahu e whakangao ai te whare wānanga kia whakatatuki wawata.
7. Enabling Excellence	Kia Tuawhiti
To provide the best working and academic environment for our staff and students.	Kia noho te whare hei whare whakahira mō ā mātou kaimahi me ngā ākonga.

- A commitment to the principles of environmental sustainability and to raising environmental awareness, understanding and responsibility throughout the University, the local communities within which its campuses are situated, and in all the wider partnerships and associations beyond the University.
- A whole-institution commitment to environmental responsibility and to sustainability, fostered by wide and continuing consultation.
- A commitment to education for sustainability as a lifelong process for all through interdisciplinary and holistic learning programmes.
- A commitment to research into environmental issues at local, national and global levels and into the processes of education for sustainability.

The above principles define the general concept of environmental sustainability for the University. They also identify the context for three specific areas of responsibility:

- Education and research for sustainability;
- Sustainable resource management; and
- Wider community involvement in environmental issues.

Environmental Mission Statement

Massey University is committed to the principles of environmental responsibility and sustainable resource management at local, national and international levels. It will meet this commitment through community involvement and leadership in education, research and sustainable management practices.

The Massey University Environmental Policy translates the above statement into the following general concepts of environmental responsibility for the University:

History and Campuses

History

The University, established in 1964, grew out of an antecedent institution called Massey Agricultural College. The College evolved from developments at both Victoria University College and Auckland University College in the 1920s.

The first Chair established in the College of Sciences is named after Sir Walter Clarke Buchanan, whose contribution towards the founding of a Chair in Agriculture at Victoria University College led to the appointment of Professor G. S. Peren as Professor of Agriculture in 1924. A bequest from Sir John Logan Campbell led to the creation of a Chair in Agriculture at Auckland University College, to which Professor W. Riddet was appointed in 1925. The present Chair in Food Technology commemorates this benefaction. Two Schools of Agriculture were initially established, and in 1926 it was resolved by a committee of both Colleges that the Schools should be amalgamated and their combined resources devoted to the establishment of a single institution in the Manawātū. This decision was implemented by the passing of the New Zealand Agricultural College Act in 1926 and by the purchase of the Batchelar estate on the south side of the Manawātū River near Palmerston North. In succeeding years the College acquired several adjoining properties as the need for farm land and building sites increased.

The College was renamed in 1927 after William Ferguson Massey, a former Prime Minister, by an amendment to the Agricultural College Act. In March of 1928 Massey Agricultural College was formally opened. Professor Peren became Walter Clarke Buchanan Professor of Agriculture and Principal of the College, and Professor Riddet became Logan Campbell Professor of Agriculture and Director of the Dairy Research Institute. There were other staff appointments in Soil Chemistry, Agricultural Botany, Agricultural Economics, Livestock and Veterinary Science, Agricultural Zoology, and Bacteriology. The College offered courses leading to the degrees of Bachelor of Agricultural Science and Master of Agricultural Science of the University of New Zealand. It also offered a variety of shorter courses in aspects of farm management and technology leading to College diplomas and certificates. Eighty-four students enrolled in the first year.

The history of the College for the next 25 years was one of consolidation as a residential agricultural college, steady expansion of these teaching programmes and development as a research institution in cooperation with the New Zealand Dairy Research Institute and units of the Department of Scientific and Industrial Research. For 14 years following the School of Agriculture Act 1937, Massey Agricultural College and Canterbury Agricultural College at Lincoln constituted the New Zealand School of Agriculture under the direction of a joint Council that coordinated their activities, although each College retained its own Board of Governors. This Act was repealed in 1951.

The post-war period was marked by the introduction of degree courses in Horticulture in 1948, as well as the acquisition of approximately 200 acres to the immediate south in 1946. “Wharerata”, a large homestead set in 16 acres of garden and bush, was added in 1951 following the addition of the farm known as “Tuapaka” near Aokautere in 1948.

In 1960 a branch of the Victoria University of Wellington was founded in Palmerston North on a 30 acre site at Hokowhitu and nearby Caccia Birch House. Extramural courses were offered throughout the country in selected subjects and tuition provided to Arts students in the Manawātū area. After the dissolution of the University of New Zealand at the end of 1961, Massey College elected, in terms of the Massey College Act of that year, to associate itself with Victoria University pending the assumption of full autonomy. This association was retained in the Massey University College of Manawātū Act 1962, which amalgamated Massey and the branch of Victoria University as from 1 January 1963, the latter becoming the General Studies Faculty of the new institution. By virtue of the Massey University of Manawātū Act 1963, the University was granted autonomy and degree-conferring powers as from 1 January 1964. The ten degrees listed in the Schedule to that Act are symbolised in the gyronny of the University Arms. Amendments abbreviating the name to Massey University were passed in 1966.

These developments, coinciding with a programme of curricular expansion initiated in the late 1950s, led to the establishment of many new departments and to a substantial increase in the number of teaching, research and technical staff. First-year science courses were introduced in 1958. Students working in agricultural degrees had formerly undertaken these prerequisite studies at one of the four colleges of the University of New Zealand. The Faculty of Technology was established in 1961 and the Faculty of Veterinary Science a year later. In 1965 the Faculty of Science was founded, where work continues to be concentrated on the biological sciences. In the same year General Studies was organised into two new Faculties, Humanities and Social Sciences. These were consolidated on the main site in 1968 and the Hokowhitu property was made available for the development of the Palmerston North Teachers’ College, which was initially established in 1956 at another location. To coordinate the expanding graduate and research activities of the University, a School of Graduate Studies was created in 1969. Business Studies courses, directed by a Board of Studies, were first offered in 1971, and in 1972 joint teacher education and cooperation between the University and Palmerston North Teachers’ College was formalised by the creation of a School of Education. Business Studies and Education are now both Colleges.

A School of Aviation was established in 1990. In the early 1990s, further schools were formed in Applied and International Economics and Mathematical and Information Sciences. In 1994 the latter became the Faculty of Information and Mathematical Sciences. For much of its work the University has national responsibilities; for instance, in agriculture, veterinary and extramural education. For other purposes, such as extension work and school accreditation, the University region is defined to the north by a line running from Waitara to Wairoa and to the south by a line running from the Waikawa River through to Mount Bruce. As the scope of its activities has broadened, the University has maintained since 1963 an extensive building and development programme designed to preserve as much as possible the semi-rural character of the campus; additional farm land has also been purchased during this period.

In 1996, Massey University merged with the Palmerston North College of Education and in 1997 the first College was established: the College of Education comprising the University Faculty and the former Palmerston

North College of Education. Later in 1997 the following Colleges were established: the College of Business, comprising the former Faculty of Business Studies, the School of Aviation and the School of Applied and International Economics; the College of Humanities and Social Sciences, comprising the former Faculties of Humanities and Social Sciences; the College of Sciences, comprising the former Faculties of Science, Technology, Agricultural and Horticultural Sciences, Information and Mathematical Sciences and Veterinary Science. In 1999 the College of Design, Fine Arts and Music was formed as the result of a merger with the Wellington Polytechnic. In 2005 Te Kōkī New Zealand School of Music (NZSM), was formed by collaboration between Massey University and Victoria University. The College of Design, Fine Arts and Music was renamed College of Creative Arts. NZSM ceased to be a joint venture between the two universities on 1 July 2014, at which time Victoria University purchased the assets of NZSM Ltd. In 2013 the College of Health was established, and the College of Education was re-designed as the Massey University Institute of Education within the College of Humanities and Social Sciences. Massey University's total roll in 2013 was 32,449 comprising 7,743 internal/block mode students at Palmerston North, 6,353 at Albany and 3,207 at Wellington, as well as 15,146 distance educational students. The continuing development of the University is also reflected in the growing number of research and service units and of student halls of residence on the campus and adjacent sites. Descriptions of courses of study, research activities, departmental interests, halls, farms, the library and other general facilities available at the University are given in later sections. Reference may also be made to other information booklets published by the University.

Multicampus Structure

Massey University now comprises five Colleges and 43 academic units located across three campuses in the North Island.

● Campuses

- Albany
- Manawatū
- Wellington

○ Student Recruitment Advisors

- Albany
- Tauranga
- Napier
- Manawatū
- Wellington



Massey University Manawatū

Massey University's early beginnings were in the Manawatū, as an agricultural college founded in 1928. Throughout its history, right from those first days, Massey University has been seen as an engine of change. Firstly, providing the knowledge that underpinned New Zealand's agricultural and food industries. Today Massey University has extended out that leadership to the areas of design and fine arts, education, humanities and social science and business.

Today the Manawatū campus is home to New Zealand's largest institution for the life sciences, agricultural, horticultural and veterinary teaching and research and is a leader in industrial innovation through areas such as food science and technology, biotechnology, advanced material sciences and product development. It hosts Food HQ, a research collaboration between Massey and other major stakeholders in the agri-food business:

The University has two campuses in Palmerston North. Hokowhitu is the site of some of the University's administrative functions. The Turitea campus is set in a beautiful 40 hectare park-like setting and houses the Colleges of Business, Health, Sciences, and Humanities and Social Sciences, and the Vice-Chancellor's Office.

On either side of the Manawatū River, both campuses are within walking distance of the Palmerston North city centre, with a free bus service for all staff and students allowing easy access to all parts of the city and University. Massey Manawatū offers a wide range of on-campus halls and units, catering for over 900 students of diverse ages, programmes of study, and cultural backgrounds.

The campus is in close proximity to the student-friendly city of Palmerston North, and to beautiful mountain ranges and countryside offering plenty of outdoor activities.

Halls of Residence

Until 1943 student accommodation was confined to the Old Hostel, but in the ten years following 1943 residential facilities were tripled – first by the purchase in that year of the Monro Homestead (purchased with the aid of the Moginie bequest); second by the addition of the Pink Hostel, constructed during World War II as a staff college for officers of the armed services (1944); third by the acquisition of the 'Rehab' hostels erected by the Government as part of its returned servicemen's rehabilitation programme; and fourth by the construction of the YFC Memorial Building, which was financed by the Federation of Young Farmers' Clubs to commemorate members who were killed in the second World War (1953). Rehab 'B' and 'C' hostels were closed and removed during 2001, and both 'A' hostel and Woodhey were removed in 2005. YFC ceased being offered as accommodation in 2005 and was renovated to house Accommodation Services (formerly Halls Community Group), International Community Centre, Fale Pasifika and Kainga Rua. The YFC Annex is a building dedicated to providing academic support for Halls students through the Study Group Programme. The YFC is home to Manawatahi (Maori Student Association) and EXMSS (Extramural Students Association) whilst Accommodation Services have been relocated to the Student Centre.

In the 1960s several other halls made their appearance: the new Monro House (1961), now Craiglockhart, Fergusson Hall, Colombo Hall (1964) and Elliott House (purchased in 1966). A further homestead, Fitzherbert House (now Bindaloe House), was made available by the University (1966), followed by Cubeside and The Stable (1982), and Moginie Hall (1985). In 1988 Cubeside Hostel was relinquished to Māori Studies and the third wing on the 72-bed Moginie Hall was completed to replace Cubeside. Following kitchen and common room renovations, Moginie Hall now has 68 beds.

In 1989 the Pink Hostel was given over to the Accountancy Department although it was returned to accommodation in 2002 and is now named McHardy Hall.

Colombo Hall was provided by the Government as part of the Colombo Plan Aid Programme, but accommodation in it is neither compulsory for, nor limited to international students. Fergusson Hall, an historic Manawatū homestead, is administered by the Presbyterian Education Purposes Trust. Walter Dyer Hall (1969) was financed in part from funds accumulated from levies on students in residence. In its efforts to provide more on-campus accommodation, the University continues to benefit from collaboration of this sort with other bodies. A substantial contribution from the Palmerston North City Council, with additional funds raised by Rotary Clubs in the district and by the Federation of Taranaki Dairy Factories, led to the opening in 1971 of City Court, Egmont Court and Rotary Court. Kairanga Court, again financed in part from levies, opened in 1977.

In 1992 the Atawhai student community was developed to provide 65 single beds in 13 units and twelve two-bedroom student family units. The Taurua and Ruahine complexes of 24 beds were opened for student use in 1992 and 1996. The merger between the Palmerston North College of Education and Massey University in 1996 added Blair Tennant Hall in Fitzherbert Avenue to the University's accommodation for students although this Hall has now been decommissioned.

A further 208 beds are located within the Turitea Community. Matai and Totara Halls, along with the Kanuka Commons building opened in February 2005, with Tawa and Miro Halls and the Karaka Commons opened in February 2006. (Older accommodation, specifically the rehab hostels and Moginie flats were decommissioned as a result.)

Residential accommodation on or adjoining the Manawatū Campus is now available for 940 students. Dining facilities for all halls are in the newly refurbished and significantly improved Student Centre.

Massey University Albany

Massey University Albany, the 'innovation' campus is located on the North Shore of New Zealand's largest city, Auckland. Styled on a Mediterranean hill town, the campus opened in 1993 and has ongoing building and facilities development to meet the needs of the rapidly growing regional population and business community.

Massey Albany offers degree and diploma courses in business; education and speech language therapy; humanities and social sciences; sciences and engineering and health related programmes.

The campus is host to the New Zealand Institute for Advanced Study and co-hosts the Allan Wilson Centre for Molecular Ecology and Evolution. The campus has strong collaborative links with many external organisations and Massey Albany was one of the first universities in New Zealand to open a business incubator on campus, the e-Centre. Students at Massey Albany benefit from a wide range of scholarships offered by the University and local and multinational business organisations.

Halls of Residence

The Millennium Village was opened on February, 1999 and is located at 548 Albany Highway. This accommodation village offers 31 self-catering, fully furnished and equipped four-bedroom units, accommodating 127 students. The Millennium Village also has a large common room with SKY television, pool table, table tennis and indoor/outdoor flow where all residents gather for communal social events.

The Lucas Creek Village opened in 2004 and is located at 9 The Avenue, Albany, only minutes away from the Albany Village. This quiet and peaceful location is able to offer apartments of 3 and 7 bedrooms as well as studio flats for couples or those who prefer to live separately. There is one large 12 bedroom house at Lucas Creek which is the central focus of the village. All apartments are fully furnished and equipped and are self-catered. This village is home to 100 students.

The University can also refer student tenants to Casa Bella, an accommodation Complex located on the campus boundary. Casa Bella, located at 427 Albany Highway, offers 4 bedroom fully furnished apartments, a swimming pool, fully-equipped gym, and a tennis court. These apartments are especially suitable for postgraduate students.

Stage one of the brand new accommodation village will open in time to welcome its first cohort of accommodation students who choose to study on-campus in 2015. The village will offer 210 beds in Halls of Residence-style living spread over three 3-story buildings. Each building will have Residential Assistants whose role it is to assist students during their stay in the Halls of Residence. Each bedroom will include a bed, wardrobe, storage desk, shelves but students will need to supply linen.

For those students who prefer apartment-style living, there are 14 five-bedroom apartments, each with a fully equipped kitchen, lounge including table and chairs, two bathrooms each with a toilet and shower plus access to a central laundry hub. There are also 12 studio units for those who prefer to live on their own.

Massey University Wellington

Massey University's Wellington campus was established in 1999.

Known as the Creative Campus, Massey Wellington is dynamic campus within a short walking distance of the central city and its vibrant arts scene. Student life revolves around campus events, actively growing clubs, Tussock Café, and a range of shows and festivals. The campus is built around some of Wellington's iconic buildings, with the National War Memorial standing proudly at the Buckle Street entrance, and the beautiful Tokomaru, originally built as the Dominion Museum in 1936, now part of the University.

Massey University's Wellington campus has established itself as a niche provider of strategically relevant undergraduate and postgraduate teaching. The study and research programmes focus on six broad areas: Design and Fine Arts; Health and Health Sciences; Business and Enterprise; Communications and Journalism; Technology and Music; and Social Sciences, including the Centre for Disaster Research (jointly with GNS Science).

The Creative Campus is home to two of New Zealand's most distinguished creative arts schools: the School of Design (Nga Pae Mahutonga) and the School of Art (Whiti o Rehua) – both of which can trace their roots back more than 125 years. The campus contains state-of-the-art design facilities offering digital sound, animation and filming suites, as well as hosting two of its enterprises – FabLab and Open Lab. The College of Creative Arts can trace its origins back to the Riley School of Design, which was established in Wellington in 1886.

The campus occupies some eleven hectares and has several multi-story buildings located in the central zone, which was originally developed in the 1960's to house one of New Zealand's first polytechnics. Massey Wellington hosts a number of research centres including the Centre for Public Health Research, the Sleep/Wake Research Centre, Research Centre for Māori Health and Development, the Financial Education and Research (Fin-Ed) Centre, and the Centre for Affective Product Design. It also hosts the government-funded Ako Aotearoa, the National Centre for Tertiary Teaching Excellence.

Halls of Residence

The Wellington Campus manages a modern, purpose-built accommodation complex for first-year students, just minutes from downtown Wellington. Sitting within a vibrant urban environment, the city's cafe and theatre districts lie within easy walking distance to campus. There are also numerous other options available for the wider student body, including student flats, homestays, private flats or boarding.

Cube Complex accommodates 300 beds in self-contained, fully furnished studio, five-, three- and two-bedroom units and is situated on the corner of Webb and Taranaki Streets.

This complex also houses a Residential Assistant (RA) team, consisting of members from the student community, and is an essential part of the student accommodation support network. Led by the Manager, Student Life Services and the Residential Manager, the RA team helps to organise a range of activities as part of the Student Life program. They also help make sure that the Cube Complex operates smoothly and a pleasant environment is fostered for all students. RAs are trained in a number of areas to ensure they can provide the appropriate support and assistance in the complex, including conflict resolution and first aid.

The University Farms

The University operates 2,200 hectares of farmland, which is maintained for teaching, research and extension purposes. A wide range of farming enterprises and activities are conducted on 980 hectares of land adjacent to the Turitea site of the Manawatū Campus. About three-quarters of this is gently rolling country of heavy silt loam, while the remainder consists of river flats varying from fertile silt loams and light sandy soil to river shingle. The 980 hectares comprises two dairy farms, two sheep and beef units, a deer research unit, an orchard and a number of intensive animal research units.

The University has a unique range of agricultural research facilities that enables it to undertake research, farming and educational functions. The facilities include three milking sheds (all fitted with electronic data collection equipment), wool sheds, sheep, deer and cattle yards, animal physiology and feed processing units, forestry blocks, and glasshouses.

The University also operates two farming enterprises situated away from the Manawatū Campus. Tuapaka Farm is a 476 hectare hill country sheep and beef cattle farm, twelve kilometres away from the Manawatū Campus. About 20 percent of the farm is flat while the remainder consists of easy-to-steep hill country, rising to an altitude of 212 metres above sea level. Tuapaka Farm has three wind turbines positioned on the elevated areas of the farm as part of a wind electricity generation scheme. Riverside Farm, a 723 hectare sheep and beef cattle farm situated 13 kilometres from Masterton and 90 kilometres from Palmerston North, is on a long-term lease to the University. The mixed topography and location of the property provides a unique resource to investigate summer dryland farming.

The Farms and Research Units provide an extensive research capability, allow the demonstration of farming systems and facilitate a continuing programme of research and extension to the benefit of agricultural, horticultural and veterinary sciences both within New Zealand and overseas. The University farmland plays an important role in meeting the overall educational and research objectives of the University.

Office of Development and Alumni

The office is part of Massey University's External Relations group. It has three main inter-related functions:

1. The development and stewardship of relationships with sectors external to Massey University, leading to positive benefits for the University.
2. The procurement of income both as money and in kind from sources other than EFTS-related. The income may take the form of sponsorships, scholarships, legacies, grants, other donations, products and services.
3. The growth and management of Massey University's Alumni networks and support services. These include:
 - (a) the administration of a sophisticated database;
 - (b) the provision of a range of memorabilia and apparel for purchase;
 - (c) the organisation of alumni events and assistance with reunions; and
 - (d) the development of alumni activities and chapters, both nationally and internationally.

Students' Associations

Massey University students' associations work with the University to provide student services to all students. Student associations maintain an independent advocacy service to assist students regarding disciplinary and grievance processes, student radio, magazines and websites that provide useful and relevant information to students, services such as Student Job Search, and support for student clubs and societies.

Students may choose to become a member of a student association and receive the special benefits that students' association provides. The students' associations organise, fund and coordinate many student activities. These include Orientation and capping events, volunteer groups, political/social/educational campaigns, independent publications, transport discounts, accommodation services, and representation on campus.

Students' associations also support representation within University Boards and structures to provide learning feedback to the Institution. Students currently have opportunity to participate in the governance of the University, to be able to be part of steering the strategic direction and focus from a learner perspective. Representation extends on a national level with affiliations to New Zealand Union of Students' Associations (NZUSA) and Te Mana Akonga (TMA).

The affairs of each students' association are administered by an Executive committee responsible to the Association. The Executive for the subsequent year is elected in accordance with each Association's constitution and rules. Students' association offices are open daily for information and advice.

Massey University Students' Association Federation Inc.

The Federation exists to provide continuity across campuses for student association delivered student services. The three main roles of students' association's services are representation, advocacy and student-to-student communication. The education and welfare of students is of paramount concern to MUSAF.

The Federation consists of the following students' associations: Albany Students' Association Inc. (ASA), Massey University Students' Society of Palmerston North Inc. (MUSA), and Massey at Wellington Students Association Inc. (MAWSA), Massey University Extramural Students' Society Inc. (EXMSS), and Te Waka O Nga Akonga Maori Inc (Albany). The Federation maintains close ties to Massey University Māori Students' Roopu: Manawatahi (Palmerston North), and Te Kokiri Ngatahi (Wellington).

Massey University Extramural Students' Society Inc. (EXMSS)

The Massey University Extramural Students' Society Inc. (EXMSS) is the students' association for distance students. EXMSS provides an independent communication link between distance students and the University; a representation structure to provide an extramural voice on University decision-making bodies; and special benefits to members such as scholarships, reporting to members through the EXMSS website and Massive Magazine (Massey University's student magazine written for students by students).

Visit their website at <http://exmss.org>

The Massey Collections

The life and work of the Right Honourable William Ferguson Massey has been commemorated in many ways. Of these the most distinctive was the decision shortly after his death to rename the newly-founded New Zealand Agricultural College at Palmerston North. In introducing the amending legislation, the Minister of Agriculture, the Hon. O.J. Hawken, proposed that the College be known as Massey Agricultural College, saying:

"I think all honourable members honour that name, and I think it is the best that could be chosen, because the late leader of the House was recognised as an agriculturist. The interest he took in the subject is well known, and I believe he had – more than most people realise – a longing to set up an agricultural college. The opportunity did not occur in his time, but I am sure that he was heart and soul in the project."

The College was formally opened in 1928. Thirty-six years later it became an autonomous multi-faculty university. Although the original use of Massey's name was related to his interest in agriculture, the name of the emergent institution, Massey University, was readily maintained in view of his eminent standing in the political history of the country. At the opening of the University Library and Veterinary Clinical Sciences buildings in 1968, the Governor-General, Lord Porritt, endorsed this view with the conclusion that "William Massey was without doubt one of the country's greatest politicians and statesmen". Massey University is the only tertiary educational institution to be so named after a New Zealand citizen.

In 1968, a generous gift from the family of William Massey led to the establishment of the Massey Trust. The University Council declared the purposes of the Trust to be:

"To sustain at the University and in New Zealand the associations of the life and work of the late William Ferguson Massey with the name, aspirations and activities of the University and for the purposes of advancing knowledge and interest in those aspects of the development of New Zealand with which the late William Ferguson Massey was particularly associated, by collecting, collating and preserving archives and other material relating to the late William Ferguson Massey."

More recently, the Massey family presented to the University a unique and very valuable collection of gifts given to him during his years as Prime Minister. This nationally significant collection is now on display on level three of the Registry.

Massey University holds seven collections:

- Massey University Art Collection (contemporary New Zealand art): Manawatū and Albany
- Massey College of Education Arts Trust
- Riddet Collection (representational New Zealand art)
- Webster Collection of Porcelain
- Massey University Collection of Georgian Silver
- Wellington Campus Art Collection.

The Art Collections Policy aims to:

1. Create a framework for the development, preservation and use of Massey University's several collections of art in order to:
 - (a) acknowledge and celebrate the history of Massey University and its antecedent organisations
 - (b) provide a resource for the teaching, research and community service activities of the University
 - (c) provide opportunities for the study and appreciation of art by members of Massey University and the communities that it serves
 - (d) contribute to a stimulating and aesthetically pleasing environment for the campuses.
2. Provide guidance to those responsible for the acquisition, preservation and use of art collections so that the interests of the whole University are maintained while at the same time duly recognising the multi-campus nature of the University and the diversity of the communities that it serves.

Academic Dress

1. Graduates shall appear at all public ceremonies of the University in the academic dress proper to their degree. Graduates of other Universities may wear the academic dress of their own university.
2. The form of the principal officers' robes and hats shall be as follows:

Chancellor

Regalia made in Merino wool, in a Poutama design weave using rich blues. Pleats in the gown are suspended from a plain blue Merino wool yoke. Sleeve cape across the shoulders references the Korowai and is embellished with Massey University's Coat of Arms. Gold satin front neck bands (70mm) are embroidered with an interpretation of the Whakarare pattern in metallic threads of gold and blue. Gold satin sleeve cape border is ornamented with three embroideries. Gold satin sleeve border is embroidered in a repeat pattern. Gown body is lined in light blue satin and sleeves are lined in navy satin. Gown front is edged with plain blue Merino wool.

A wide-brimmed round plain blue Merino wool Tudor bonnet with gold tassels hanging from a cord encircling the puggaree of the hat.

Pro-Chancellor

Regalia made in Merino wool, in a Poutama design weave using rich blues. Pleats in the gown are suspended from a plain blue Merino wool yoke. Sleeve cape across the shoulders references the Korowai and is embellished with Massey University's Coat of Arms. Gold satin front neck bands (45mm) are embroidered with an interpretation of the Whakarare pattern in metallic threads of gold and blue. Gold satin sleeve cape border is ornamented with one embroidery motif. Gold satin sleeve border is embroidered in a repeat pattern. Gown body is lined in light

blue satin and sleeves are lined in navy satin. Gown front is edged with plain blue Merino wool.

A wide-brimmed round plain blue Merino wool Tudor bonnet with gold tassels hanging from a cord encircling the puggaree of the hat.

Vice-Chancellor

Regalia made in Merino wool, in a Poutama design weave using rich blues. Pleats in the gown are suspended from a plain blue Merino wool yoke. Sleeve cape across the shoulders references the Korowai and is embellished with Massey University's Coat of Arms. Silver satin front neck bands (70mm) are embroidered with an interpretation of the Whakarare pattern in metallic threads of silver and blue. Silver satin sleeve cape border is ornamented with one embroidery motif. Silver satin sleeve border is embroidered in a repeat pattern. Gown body is lined in light blue satin and sleeves are lined in navy satin. Gown front is edged with plain blue Merino wool.

A wide-brimmed round plain blue Merino wool Tudor bonnet with silver tassels hanging from a cord encircling the puggaree of the hat.

University Registrar

Regalia made in Merino wool, in a Poutama design weave using rich blues. Pleats in the gown are suspended from a plain blue Merino wool yoke. Sleeve cape across the shoulders references the Korowai and is embellished with Massey University's Coat of Arms. Silver satin front neck bands (45mm) are embroidered with an interpretation of the Whakarare pattern in metallic threads of silver and blue. Sleeve cape is without satin border. Silver satin sleeve border is without embroidered ornamentation. Gown body is lined in light blue satin and sleeves are lined in navy satin. Gown front is edged with plain blue Merino wool.

A wide-brimmed round plain blue Merino wool Tudor bonnet with silver tassels hanging from a cord encircling the puggaree of the hat.

Campus Registrar

Of plain all-silk University blue ottoman without ornamentation, but facings and shoulder wings to be of light blue taffeta and shall bear the University's Coat of Arms on each shoulder.

The hat of these officers shall be a trencher of the materials as used for the robe.

University Council

The academic dress is as for the Cambridge Bachelor of Arts but with a facing of light blue satin (50mm wide, BCC 84 forget-me-not) edged with an additional dark blue satin (25mm wide, BCC 90 midnight), the full length of the front. Graduates may wear the hat and hood of their own degree.

Marshal

The academic dress shall be the academic regalia of their own university, including the hat and hood of their own degree, and shall bear the University's Coat of Arms on each shoulder.

3. (a) The gown for an undergraduate or for a Bachelor's Degree is as for the Cambridge Bachelor of Arts.
- (b) The gown for a Master's Degree is as for the Cambridge Master of Arts.
- (c) The gown for the degrees of Doctors of Business and Administration, Education and Philosophy is as for the Cambridge Master of Arts, but with a facing of cloth 'post office red' (BCC No. 209) ten centimetres wide the full length of the front.
- (d) The gown for all other Doctors Degrees is as for the Cambridge Master of Arts, but the colour is 'post office red' (BCC No. 209).
4. (a) The hood for every degree is of the same size and shape as the Cambridge Master of Arts.
- (b) The hood for Masters Degrees shall be made of material of the colour 'university blue' (BCC No. 90) and shall be lined with material of the colour appropriate to the degree, except for Master of Philosophy, which shall be lined with material of the colour 'post office red' (BCC No. 209).
- (c) The hood for a Bachelor's Degree or a Bachelor's Degree with Honours shall be as for the Master's hood, but bordered with a 40mm white fur.
- (d) The hood for a Bachelor Honours Degree shall be as for the Master's hood, but bordered with a 40mm white silk.

(e) The hood for a PhD Degree shall be made of material of the colour 'post office red' (BCC No. 209) and shall be lined with 'university blue' (BCC No. 90).

(f) The hood of other Doctors Degrees shall be the Master's hood appropriate to the discipline in which the degree was taken.

5. The colours of the linings of the hoods for the Bachelors, Masters and Doctors Degrees other than PhD are as follows:

	Bcc Name	BCC Number
Accountancy	Indian Yellow	6
Advanced Leadership	Indian Yellow	6
Agriculture	Pea Green	172
AgriCommerce	Verdigris	202
Agricultural Economics	Verdigris	202
Agricultural Science	Emerald	213
AgriScience	Emerald	213
Analytics	Parma Violet	216
Applied Economics	Diopbase	203
Applied Science	Emerald	213
Applied Statistics	Parma Violet	216
Arts	Rose Pink	32
Aviation	Stonewhite	61
Aviation Management	Stonewhite	61
Business Administration	Tangerine	55
Business Information	Indian Yellow	6
Business Studies	Indian Yellow	6
Clinical Psychology	Rose Pink	32
Commercial Music	White	1
Communication	Indian Yellow	6
Construction	Claret	36
Counselling	Medici Crimson	240
Creative Writing	Rose Pink	32
Creative Media Production	White	1
Dairy Science and Technology	Claret	36
Defence Studies	Pansy	180
Design	White	1
Development Administration	Rose Pink	32
Education	Tuscan Yellow	233
Educational Administration and Leadership	Gull Grey	81
Educational Psychology	Tuscan Yellow	233
Educational Studies	Tuscan Yellow	233
Emergency Management	Forget-Me-Not Blue	84
Engineering	Claret	36
Engineering Studies	Claret	36
Engineering Technology	Claret	36
Environmental Management	Tartan Green	26
Ergonomics	Claret	36
Finance	Indian Yellow	6
Fine Arts	White	1
Food Innovation	Claret	36
Food Technology	Claret	36
Health Sciences	Emerald	213
Horticulture	Grass Green	103
Horticulture(Bus), (Sc) or (Tech)	Tartan Green	26
Information Science	Parma Violet	216
Information Systems	Indian Yellow	6
International Development	Forget-Me-Not Blue	84
International Security	Pansy	180

	Bcc Name	BCC Number
Journalism	Indian Yellow	6
Literacy Education	Tuscan Yellow	233
Logistics and Supply Chain Management	Smalt Blue	147
Management	Indian Yellow	6
Māori Visual Arts	Black, Overprinted With Silver Motif	
Medical Laboratory Science	Jade	122
Midwifery	Crocus	177
Music	White	1
Musical Arts	White	1
Music Therapy	White	1
Natural Sciences	Smalt Blue	147
Nursing	Crocus	177
Performance Design	White	1
Professional Accounting and Finance	Indian Yellow	6
Public Health	Emerald	213
Public Policy	Rose Pink	32
Quality Systems	Claret	36
Retail and Business Management	Indian Yellow	6
Resource and Environmental Planning	Forget-Me-Not Blue	84
Science	Smalt Blue	147
Social Work	Horse Chestnut	134
Specialist Teaching	Tuscan Yellow	233
Speech and Language Therapy	Emerald	213
Sport and Exercise	Indian Yellow	6
Sport Management	Indian Yellow	6
Teaching and Learning	Tuscan Yellow	233
Teaching English to Speakers of Other Languages Leadership	Tuscan Yellow	233
Te Aho TātaiRangi	Tuscan Yellow	233
Technology	Claret	36
Veterinary Medicine	Imperial Purple	109
Veterinary Science	Imperial Purple	109
Veterinary Studies	Imperial Purple	109
Veterinary Technology	Claret	36

Graduates in a conjoint programme of two degrees may choose which of the relevant hoods they will wear.

6. The stole for diplomas is made of black material with a 15mm band of the colour light blue (BCC 84 forget-me-not) on the inner margin and the Massey University Symbol (the University Coat of Arms) 75mm in diameter embroidered in light blue 75mm above the lower margin on the left side.

As an alternative to wearing the stole, diplomates who also hold a degree may wear the robes of that degree.

7. (a) The headgear for Bachelors, Masters and for diplomates who are graduates is a black trencher with tassel.
- (b) The headgear for Doctors Degrees is a black velvet bonnet as for the Oxford Doctor of Civil Law.

Note

Academic gowns, hoods and trenchers are available for hire from Academic Dress Hire, P.O. Box 1713, Palmerston North.

<http://www.masseygowns.org.nz>

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Vice-Chancellor's Office

Vice-Chancellor

2008 Hon Steve Maharey, CNZM, BA, MA

Senior Advisor

1984 Dale Parkes, DipBusStuds

Executive Assistant

2004 Brigid Kavanagh-Dee, NZCertBus(FLM), NDBA, NDB

Assistant Vice-Chancellor Operations, International & University Registrar

1996 Stuart Morriss, BAgrSc, MPP *Well.*, DipBusStuds

Assistant Vice-Chancellor – External Relations

2010 Cas Carter, BSocSci *Waik.*, MA Applied *RECN Well.*

Assistant Vice-Chancellor – Finance, Strategy, Information Technology & Commercial operations

2011 Rose Anne MacLeod, BCom *Auck.*, MBA, CA FCPA

Assistant Vice-Chancellor – Māori and Pasifika

2012 Selwyn Katene, PhD, MPM, MA, BA(Hons)

Assistant Vice-Chancellor – People and Organisational Development

2008 Alan Davis, LLB *Cant.*, MBA *Well.*, CertIndRel *Well.*

Assistant Vice-Chancellor – Research, Academic & Enterprise

2011 Professor Brigid R. Heywood, BSc(Hons) *Man.*, PhD *Liv.*

Assistant Vice-Chancellor Operations, International & University Registrar

Assistant Vice-Chancellor Operations, International & University Registrar

1996 Stuart Morriss, BAgrSc, MPP *Well.*, DipBusStuds

Executive Assistant

1996 Toni Wilson

Executive Secretary

2006 Paddy Nicol

Operations Manager/ Executive Officer

2013 Vicky McMillan

Director – Strategic Policy

Appointment pending

Campus Registrar - Albany

1978 Andrea L. Davies, JPBBBS, MBA

Campus Registrar - Manawatū

1997 Sandi J. Shillington, MA, DPhil *P.Elizabeth*, MNZPsS

Campus Registrar - Wellington

2009 Deanna Riach, BCom(Hons), *Lincoln* MBA

Director Facilities Management – Albany

2008 Alistair G. Allan, BE(Hons), M.IPENZ

Director Facilities Management – Manawatū

2005 Keith R. Harvey, FNZIQS

Director Facilities Management – Wellington

2008 Gordon Whyte, CGLI

Executive Director - Te Puna Whakatipu

1993 Claire Massey, BA, MBA, PhD

Director – Professional and Continuing Education

1993 Andrea M. Flavel, MA, DipTESOL *Well.*

Director – International Office

2012 Arthur Chin JP, BCA(Hons) *Well.*, MA *Well.*, FFinSIA

Director – Student Administration

1987 Patrick A. Sandbrook, BA(Hons), PhD

Manager - Capital Development Projects

2005 Keith R. Harvey, FNZIQS

Manager – Student Management Systems Support and Development Unit

2008 Sue Pond, BBS, CA (NZICA)

Assistant Vice-Chancellor – Strategy, Finance, IT & Commercial Operations

Assistant Vice-Chancellor – Strategy, Finance, IT & Commercial Operations

2011 Rose Anne MacLeod, BCom *Auck.*, MBA, CA FCPA

Executive Assistant

2007 Tina Haronga

Strategy and Research Manager

2008 Rossana Couto-Mason, BA *UnB.*, MPhil

Chief Financial Officer

2013 Carolyn Dimond, BA(Hons), FCCA, ACA

Chief Information Officer

2009 Clive Martis, BA, MBA

General Manager, Commercial Operations

2005 Denis Jenkins

Director, Fundraising

2009 Mitch Murdoch, BA *Well.*

University Printer

1975 Robert Roberts

Manager Funding and Enterprise Reporting

2013 Bryce Cleland, BSocSci, MScoSci, PhD

Manager Performance and Change

2011 Chris Wood, BA, MBA, ACA, DipTchg

Procurements and Contracts Manager

2012 Jeff Yee, DipMngt

Assistant Vice-Chancellor – Māori and Pasifika

Assistant Vice-Chancellor – Māori and Pasifika

2012 Selwyn Katene, BA(Hons) *Well.*, MA *Well.*, MPM *Well.*, PhD

Executive Assistant

2008 Kim Alty

Programmes Manager

1992 Frances White, BA, DipTchg

Director Māori

2013 Te Kani Kingi, BSocSc(Hons), MSocSc *Waik.*, PhD, DipTM, DipMDev

Director Pasifika

2013 Malakai Koloamatangi, BA, MA, PhD

Director New Migrants

2014 Shaista Shameem, PhD, LLM(Hons), MA, LLB(Hons), BA

Senior Māori Advisor (Manawatū)

2011 Jacob Tapiata, BA

Senior Māori Advisor (Albany)

2014 Margaret Kawharu, MNZM, MA

Kaiwhakaruruhau/ Marae Taurima (Wellington)

2013 Dale-Maree Morgan

Events & Scholarships Manager

2012 Taniya Ward

Senior Pasifika Advisor

2012 Lesieli MacIntyre, BA, MA, PhD, DipTchg

Executive Assistant Pasifika and New Migrants Directorates

2006 Azima Mazid

Project Manager Pasifika

2008 Ben Taufua, BA *Otago*, MA *Otago*

Assistant Vice-Chancellor – Research, Academic & Enterprise

Assistant Vice-Chancellor – Research, Academic & Enterprise

2011 Professor Brigid R. Heywood, BSc(Hons) *Man.*, PhD *Liv.*

Executive Assistant

2003 Ngaire Ashton

Chair, Animal Ethics Committee

2001 Professor Craig Johnson, BVSc *Liv.*, PhD *Camb.*, DVA, DipECVA, MRCA, MRCVS

Chair, Genetic Technology Committee

2012 Associate Professor Jasna Rakonjac, MSc *Belgrade*, PhD *Rockefeller*

Coordinator – Student Success

2012 Andrea MacKay, BBS(Hons)

Director – Academic Policy & Regulations

1991 Margaret E. Stewart, MAgrSc

Academic Strategy Manager (Acting)

2005 Meredith MacKenzie, BBS, BA

Director – Business Development & Commercialisation

2008 Mark Cleaver, BAg, DipBusStud

Director – National Centre of Teaching, Learning (Acting)

2005 Duncan O'Hara, BA, MMgt, PGDipBusAdmin

Director – Research Ethics

1995 Professor John O'Neill, BA *Nott.*, MSc CNA, PhD, PGCE *Lanc.*, DipRSA

Director – Research Operations

2013 Michael Millan, BSc(Hons), PhD *Adel.*

University Librarian

1992 Linda Palmer, BA, MMgmt, DipLibr *Well.*, ALIANZA

Centenary History Project

1998 Professor Glyn Harper, PhD *NE*, MA *Cant.*, DipTchg

Centres of Research Excellence Reporting to Assistant Vice-Chancellor – Research, Academic & Enterprise

Allan Wilson Centre

Director

2012 Professor Hamish G. Spencer, MSc *Auck.*, PhD *Harv.*, FRSNZ (*Based at University of Otago*)

Manager

2010 Wendy Newport-Smith, MMgt, MBA, DipMgt

Principal Investigators

2010 Professor Nigel French, BVSc, MSc, PhD *Brist.*, DLSHTM, MRCVS

2008 Professor Paul Rainey, BSc, MSc, MA *Oxf.*, PhD, FRSNZ

Associate Investigators

2104 Associate Professor Marti Anderson, BA (magna cum laude) *Occidental*, GradDipSCI, MA, PhD *Syd.*, FRSNZ

2014 Associate Professor Murray Cox, BSc(Hons), PhD *Otago*

Partner Institutions

University of Auckland

Victoria University of Wellington

University of Canterbury

University of Otago

New Zealand Institution for Plant & Food Research

Postdoctoral Fellows

Patricia Jaros, BVM, MVM, MVSc, PhD

Ben Phiri, BVM, MVS, PhD

Riddet Institute

Director and Distinguished Professor, Monogastric and Human Nutrition

1983 Paul J. Moughan, BAgSc(Hons), PhD, DSc, FRSNZ, FRSC

Director and Distinguished Professor, Food Science and Technology

1989 Harjinder Singh, MSc *Ludhiana*, PhD *Cork*, FIAFoST, FNZIFST, FRSNZ

Professor, Food Materials Science

2011 Peter Munro, BE *Auck.*, PhD *Lond.*, FNZIFST, FRSNZ

Administration Group

Business Manager

2008 John Henley-King, MA Eng *Camb.*

Food Innovation Manager

2013 Abby Thompson, BTech(Hons), PhD

Executive Officer and Principal Scientist

2006 Mike Boland, BSc(Hons), PhD, DipMgt, FNZIC

Associate Professor

1992 Shane Rutherford, MSc, PhD *Wagen.*

Senior Research Officers

2003 Jaspreet Singh, BSc, MSc, PhD *Amritsar*

2008 Aiqian Ye, DipTech, MTech, PhD

Research Officers/Postdoctoral Fellows

2011 Ashling Ellis, BSc *Dublin*, PhD *Dublin*

2009 Maria Ferrua, BS *Uruguay*, Chem Eng *Uruguay*, PhD *UC Davis, USA*

2005 Sharon Henare, BSc, PhD

2006 Lovedeep Kaur, BSc *Punjab*, MSc *Punjab*, PhD *GNDU*,

2006 Simon Loveday, BTech(Hons), PhD

2009 Carlos Montoya, BSc *Columbia*, MSc *Columbia*, PhD *ENSAR/REENES, France*

2009 Arup Nag, BSc *WB State Ag. (India)*, MTech

Research Associate

1993 Maggie Zou, BSc *Zhejiang*, MSc

Resident Fellow

2005 R Paul Singh, PhD *Michigan*, MS *Wisc.*, BS *Punjab*

Honorary Professor

2012 Manohar Garg, BSc, MSc, PhD *Adel.*

Adjunct Professor

2008 Warren McNabb, BAgSc, PhD

Adjunct Associate Professor

2010 Nicole Roy, BScA, MSc, PhD, *Queb.*

Research/Technical Staff

2003 Jian (Jack) Cui, MTech

2000 Janiene Gilliland, NZCS

1988 Derek Haisman, PhD *Lond.*

1994 Chris Hall, BSc

2010 Trent Olsen, BSc

2007 Chanapha Sawatdeenaruenat, BSc *Chulal.*, *Bangkok*, PGDip, MTech

1998 Xiangqian (Peter) Zhu, PhD *Tianjin*

Committees Reporting to Assistant Vice-Chancellor – Research, Academic and Enterprise

Animal Ethics Committee

Chairperson

Professor Craig Johnson, BVSc *Liv.*, PhD *Cant.*, DVA, DipECVA, MRCA, MRCVS

Genetic Technology Committee

Chairperson

Associate Professor Jasna Rakonjac, MSc *Belgrade*, PhD *Rockefeller*

Centenary History of New Zealand and the First World War

Project Manager

1998 Professor Glyn Harper, PhD *NE*, MA *Cant.*, DipTchg

Administrator

2013 Tessa Lyons, BA

Senior Historian

1987 James Watson, MA, PhD *Cant.*

Historian

2013 Damien Fenton, MA *Waik.*, PhD *UNSW*

Assistant Vice-Chancellor – People and Organisational Development

Assistant Vice-Chancellor – People and Organisational Development

2008 Alan Davis, LLB *Cant.*, MBA *Well.*, CertIndRel *Well.*

Executive Assistant

1997 Coralie Weller

Manager - Remuneration & Reporting

2014 Lynn McDougal

Staff Recruitment Project Manager

2012 Nigel Barker, BBS, GradIFE, CertAdultEd

Manager – Employment Relations

2011 Fiona McMorran, BA/LLB, DipIndRel

University Health & Safety Manager

1991 Doug Pringle, BSc, BAgSc, DipAgrSc

Manager – HR Services

2008 Lynette Jolly, BBS, PGDipBusAdmin

Capability Development Manager

2013 Angela Robertson, PhD, MEd Admin, BEd, Dip TTchg

Risk Manager

2000 Anne Walker, BBS, PGDipBusAdmin

Records Manager

2008 Cecily Fung, BA(Hons), PGCert *Manc.*

Assistant Vice-Chancellor – External Relations

Assistant Vice-Chancellor – External Relations

2010 Cas Carter, BSocSci *Waik.*, MA Appl RECN *Well.*

EA/Administrator

2011 Jeanette McKinnon

Marketing Director

TBA

Communications Director

2006 James Gardiner

Web Content Manager

2010 Glen Young, DipIS

Stakeholder Management Director

2011 Sue Allen

Campus Registrar – Albany

Campus Registrar Albany

1978 Andrea L. Davies, JP, BBS, MBA

Commercial Operations Manager

2003 Rod Grove, BPhEd *Otago*

Programme Delivery Manager /Office Manager

2009 Jan Chambers, GradDipBusStuds

Campus Registrar – Manawatū

Campus Registrar

1997 Sandi Shillington, MA, DPhil *P.Elizabeth*, MNZPsS

Office Manager

2002 Erin Temperton

Campus Registrar – Wellington

Wellington Campus

Campus Registrar

2009 Deanna Riach, BCom(Hons) *Lincoln*, MBA *Sunshine Coast*

Health, Safety & Emergency Management

2014 Jo Fox, BSc(Hons) *Trent Poly.*, GradDipOSH

Student Services Trust Director

2001 Hazel Purre, BSc(Hons) *Otago*, DipTchg

Pro Vice-Chancellors and College Staff

Massey Business School

Pro Vice-Chancellor

2012 Professor Theodore (Ted) Zorn, BA *Charleston*, MA *Kentucky*, PhD *Kentucky*

Executive Assistant

2012 Connie Hii, MBA S.Qld., BCom *Otago*

Deputy Pro Vice-Chancellor

1992 Professor Malcolm Wright, BA, BCom *Otago*, MCA *Well.*, PhD *UniSA*

Associate Pro Vice-Chancellor (Executive Education & Enterprise)

2014 Mike Fiszer, MBA Warw., GSDip *Edin.*, BSc *Edin.*, FRSA, MCIM, MCMI

Director, Executive Education

1986 David M. Tweed, Phd *Newcastle*, MBA, DipAcc, BAgrSc, DipBusStuds, CA, AAMINZ

Office Manager & Executive Assistant to DPVC

2009 Yvonne Rutherford

Executive Director, International

1994 Professor Chris I. Moore, BE(Hons), PhD *Auck.*, NZCE (Civil), SFin

International Administrator

2009 Jean Lim, BBA NUS., MB

Director - Executive MBA Programmes

2011 James Bennett, BSc

Director – Teaching & Learning

1995 Terry Macpherson, BBS(Hons), Phd

Director – Academic Programmes

1996 Claire Matthews, BA, MBS, PhD, DipBankStud, DipBusAdmin, FFin

Programme Support Analyst

2004 Agnes West-Dzang, PGDipBusAdmin, CertScTch

Academic Programmes and Quality Analyst

2001 Sherlie Gaynor, MSc *Cant.*

Programme Support Administrators

2006 Amanda Welch, DipBusStud (Ins)

2006 Diane ten Have

Associate Pro Vice-Chancellor (Research)

2013 Professor Kambiz Maani, PhD *Illinois*, MSc *Illinois*

Research Support Officer

2014 Rebecca Izzard, BA, BCapSc, *Otago*

Business Manager

2013 Jade Zhou, BBS

Executive Education

Associate Pro Vice-Chancellor (Executive Education & Enterprise)

2014 Mike Fiszer, MBA Warw., GSDip *Edin.*, BSc *Edin.*, FRSA, MCIM, MCMI

Director, Executive Education

1986 David M. Tweed, Phd *Newcastle*, MBA, DipAcc, BAgrSc, DipBusStuds, CA, AAMINZ

Executive Assistant

2003 Susan D. Walsh

College of Creative Arts

Wellington Campus

Pro Vice-Chancellor

1996 Professor Claire Robinson, BDes, BA(Hons), PhD

Associate Pro Vice-Chancellor (Research)

1993 Professor Tony Parker, MDes *RCA Lond.*, DipID *WP*, MCSD *UK.*, MDINZ

Associate Pro Vice-Chancellor (Enterprise)

2009 Associate Professor Chris Bennewith, BA(Hons) *Wales*, MFA

Director of Doctoral Research

2001 Professor Sally J. Morgan, BA(Hons) *Sheff.Hallam*, MA *Warw.*, KASKA *Antwerp*

Kaiwhakahua

1994 Professor Ross Hemera, DipFAA *Otago*, DipTchg

Director Academic

1996 Associate Professor Rebecca Sinclair, BSc *Auck.*, BArch(Hons), MArch *Auck.*

Academic Registrar

2005 Teresa Hartley

College of Health

Pro Vice-Chancellor

2013 Professor Paul McDonald, BA(Hons) *Wat.*, MA *UWO*, Phd *Wat.*

Deputy Pro Vice-Chancellor

1988 Professor Steven J. La Grow, BA *West Mich.*, MA *West Mich.*, EdD *North Ill.*

Director Academic Programmes

1986 Kathleen Vossler, BEd, MEdAdmin, EdD, Dip Tchg

Director Research

2000 Marlena Kruger, MSc *Potchefstroom CHE*, PhD *S.Af.Med.*

Director Teaching and Learning

Appointment pending

Business Services Manager

2001 Julie Dunlop

College of Humanities and Social Sciences

Pro Vice-Chancellor

1979 Distinguished Professor Paul Spoonley, BA *Well.*, MA *Otago*, MSc *Brist.*, PGDipArts *Otago*, DipEd *Auck.*, PhD

Associate Pro Vice-Chancellor

1989 Associate Professor Julie K. Bunnell, BA(Hons), PhD *Well.*

Business Manager

1985 Heather Tootell, CA

Director Academic Programmes

1996 Jenny Coleman, BA(Hons), PhD *Cant.*

Director Teaching and Learning

2006 Ute Walker, BA *Staatsexamen Albertus Magnus*, MA, PhD

Regional Director (Auckland)

1993 Associate Professor Ann Dupuis, MA, PhD *Cant.*

Regional Director (Wellington)

2005 Associate Professor Robin Peace, BA *Cant.*, DipTchg ChCh., MSocsc *Waik.*, PhD *Waik.*

Research Director

1983 Professor Cynthia J. White, BA(Hons) *Well.*, DipTESL *Well.*, PhD

Executive Assistant to the Pro Vice-Chancellor

1996 Karen O'Hagan, BBS

College of Sciences

Pro Vice-Chancellor

Professor Robert Anderson, ONZM, MAgrSc, PhD *C'nell*, DDA, FNZIAS

Manager - Projects & Business

1980 Heather A. Murphy, BSc

Director Teaching and Learning

1982 Associate Professor Ewen A. Cameron, MHortSc

Programme Directors

AgriCommerce

1987 Iona A. McCarthy, BAgSc, MBS, DipBusAdmin, SPINZ

AgriScience

1988 James P. Millner, MAgrSc, PhD

Construction

1991 Professor Robyn Phipps, PhD, BArch(Hons) *Well.*, BBS *Well.*

Engineering & Technology

2007 Associate Professor Jane Goodyer, BEng, PhD *Coventry*, CEng, MIET

Food Technology

1998 Associate Professor Marie Wong, BTech(Hons), PhD, FNZIFST

Information Sciences

1994 Associate Professor Chris Scogings, MSc Natal, PhD, MIEET, MBCS, MACM, MSAICS

Natural Sciences

2012 Professor Thomas Pfeiffer, PhD *ETH Munich*

2008 Gayle Ferguson, BSc(Hons), PhD *Cant.*, PGCLTHE *Manc.*

Postgraduate Studies

1990 Professor Kevin J. Stafford, MVB *Dub.*, MSc *Edin.*, PhD NUI, MRCVS, MACVSc

Science

Appointment Pending

Veterinary Medicine

2001 Elizabeth J. Norman, BVSc *Syd.*, MVM, MRCVS, MACVSc

Veterinary Science

1997 Professor Tim J. Parkinson, BVSc *Brist.*, DBR *Liv.*, PhD *Nott.*, DipECAR, FRVS

Veterinary Technology

2008 Hayley E. Squance, BApplSc *Qld.*

College of Creative Arts

Nga Pae Māhutonga - School of Design

Co-Heads of Institute

2012 Andre Ktori, BA *Wales*, MA *Westminster*

2000 Rodney Adank, DipID *WP*

Wellington Campus

Associate Professors

1989 Lynne Ciochetto, BA *Well.*, MA *Cant.*, PGDip *Basel*, DipFA *Cant.*, DipDevSt, CertTchg

2006 Bronwyn Labrum, MA, PhD *Well.*, PGCertTTchg *Waik.*

2009 Julieanna Preston, BArch VPI&SU, MArch *Cranbrook*

Senior Lecturers

2003 Mark Bradford, BFA *Cant.*, MFA *MIT*

2009 Anna Brown, BFA *Well.*, BA(Hons) *Cant.*, MDes

1991 Deborah Cumming, BSc *Cant.*, MDes

2000 Lyn Garrett, MDes, DipID *WP*

1993 Sandra Heffernan, PhD *GSA.*, Dip HSci *Otago*, CertArt&Design *Lough.*, DipTchg

2001 Gray Hodgkinson, BFA *Cant.*, MDes

2009 Nick Kapica, BA(Hons), *Ravensbourne (UK)*, MISTD

2006 Holly McQuillan, MDes

1993 Jacqueline Naismith, BA *Auck.*, MA, PGDipComms *Well.*, DipTchg

2002 Annette O'Sullivan, MA LCP *Lond.*, HND LCP *Lond.*, DipVCD *WP*, MISTD, MBInstPkg

2002 Tim Parkin, BDes *Well.*, MDes

2007 Jessica Payne, BA *Winc.*, MA *RCA*, PhD *RCA*

2003 Antony Pelosi, BBS *Well.*, BArch(Hons) *Well.*

2003 Euan Robertson, MFA, PGDipFA, DipVCD *WP*

2011 Max Schleser, BA(Hons) *E.Lond.*, MA *Westminster*, PhD *Westminster*

2001 Janet Webster, BSc(Hons) *Otago*, MAgSc *Lincoln*, PhD *Otago*, DipTchg *Otago*, PGCert Tert Tchg

2009 Jennifer Whitty, BA *H. E. & T. Awards Counc.*, *Ireland*, MA *RCA*

Lecturers

2013 Jennifer Archer

1993 Catherine Bagnall, BFA *Auck.*, MFA *Auck.*

1995 Caroline Campbell, MDes, PhD *Well.*, DipVCD *WP*

1993 Morris Campbell, City & Guilds *Lond.*, MDes, PhD *MIT*

1989 John Clemens, NZTC Printing *AIT*

2008 Karen Curley, MSc *Trin.Coll. Dublin*, MA UC *Dublin*

2013 Emma Derwin

2008 Stuart Foster, MDes

1998 Lee Jensen, BDes *Well.*, MFA, PGDipFA

2007 Karl Kane, BA, MDes

2009 Natalie McLeod, MA *Glas.*

2009 Tanya Marriott, MDes, GradDipDes

2001 Tulia Moss, BA(Hons), *Kingston Poly.*, MDes

2003 Lisa Munnely, BDes, MFA

2002 Lilian Mutsaers, MPhil, DipFDT *WP*

2008 Anthony Nevin, MA *MIT*, PGDip *MIT*, DipTchg, DipFA *Otago*

- 2010 Sue Prescott, BA(Hons) *Manc.Met.*, MDes
 2001 Donald Preston, MFA, PGDipFA, DipVCD *WP*
 2013 Stella Robertson
 1996 Matthijs Siljee, Bid Acad.ID *Eind.*
 1993 Joyce Tam, BDes, CertClo&Tex *WP*
 2006 Patricia Thomas, MDes, PGDipArth
 1987 Nina Weaver, BEd, CertClo&Tex *WP*, TTCert

Senior Tutors

- 2007 Matt Clapham, DipVCD *WP*
 2000 Robyn Conner, BDes(Fash), CertClo&Tex *WP*
 2006 Tina Downes
 1993 Mary-Ellen Imlach, BEd, DipTchg *Well.*, COE, CertClo&Tex *WP*
 2007 Fay McAlpine, DipVCD *WP*
 2007 Hugh Slaven, CertIndDes
 2007 Lee Whiterod, DipVCD *CPIT.*, MDes

Technical Staff

- 2007 Angus Donaldson, BDes, MDes
 2006 Keir Husson
 2005 Wendy Neale, BFA *Tas.*, MDes
 2009 Durgesh Patel, BDes
 2011 Amy Sio-Atoa, BDes
 2004 Carol Stevenson, DipFDT
 2005 Uli Thie, DiplDesFH *SchwGmuend*

School of Art

Wellington Campus

Head of School and Associate Professor

- 2011 Heather Galbraith, BFA *Auck.*, MA *Goldsmiths, Lond.*

Professor

Principal Advisor (Research) to the Pro Vice-Chancellor

- 1995 Anne Noble, ONZM, MFA *Auck.*, *Laureate*

Associate Professors

- 1993 Kingsley Baird, MFA (RMIT), DipArts *Well.*, AdCertTTchg

- 1998 Wayne Barrar, BSc *Cant.*, MDes, PGDipFA *Auck.*, DipTchg
 2007 Ann Shelton, MFA *UBC, Canada*

Senior Lecturers

- 1997 Emma Febvre-Richards, BFA(Hons), MFA (equiv.) *Aix-en-Provence*
 2002 Jenny Gillam, MFA *RMIT*
 2002 Eugene Hansen, MFA *RMIT*
 1995 Maddie Leach, MFA *Cant.*
 2002 Marcus Moore, BFA(Hons) *Cant.*, MA *Well.*, PhD *Well.*
 1999 Simon Morris, BFA *Cant.*, MFA *RMIT*, CertTertEd *WP*
 2008 Martin Patrick, MA *New York*, MFA *Texas*, PhD *UK*
 1996 Richard Reddaway, MFA *RMIT*, DipFA(Hons) *Cant.*

Lecturers

- 2014 David Cook, BSc *Cant.*, MFA *RMIT*
 2002 Bryce Galloway, MFA *Auck.*
 1993 Helen Mitchell, MFA, DipPhot *WP*, DipArts *Well.*
 2002 Karin van Roosmalen, MFA *RMIT*
 2007 Caroline McQuarrie, BFA *Cant.*, MFA
 2004 Hemi MacGregor, BFA, MMVA, DipFA
 2007 Caroline McQuarrie, BFA *Cant.*, MFA
 2014 Sarah Jane Parton, BFA(Hons), MA *Well.*
 2003 Kura Puke, MMVA, BFA, *Quay School of the Arts*
 2013 Shannon Te Ao, BFA *Auck.*, GDipTchg *Auck.*

Senior Tutor

- 2007 Georgiana Morison, BA(Hons) *Well.*, DFA(Hons) *Otago*

Technical Staff

- 2008 Tim Larkin, BDes *Well.*, BA *Auck.*
 2007 Mike Heynes, BA *Well.*
 1989 Peter Miles
 2011 Shaun Waugh, PGDipFineArts
 1996 Jane Wilcox, BFA, Dip Photo (Senior Technician)

School Manager

- 2007 Heike Ulrich, BBS Berlin, MBA

College of Health

Institute of Food, Nutrition and Human Health

Acting Head of Institute

- 1999 Rachel A. Page, BSc(Hons), PhD

Director Education (Coursework)

- 1998 Janet L. Weber, MSc *Cornell*, PhD

Director Environmental Health & Life Sciences and Director, Wellington Campus

- 2003 Wyatt H. Page, BE(Hons) *Auck.*, PhD

Director Food Science & Technology and Professor

- 2008 Steve H. Flint, BSc, DipNZIM, MSc, PhD

Director Human Nutrition & Dietetics

- 2001 Jane Coad, BSc(Hons), PhD *Lond.*, PGCEA, R. Nutr.

Director Medical Laboratory Science

- 1982 Associate Professor Mary F. Nulsen, BSc(Hons) *W.Aust.*, PhD *Flin.*

Director Physiology

- 2000 Kay J. Rutherford-Markwick, BSc(Hons), PhD

Director Postgraduate Studies and Professor of Postharvest Technology

- 2009 Julian Heyes, BSc(Hons) *Well.*, DPhil *Oxf.*

Director of Research College of Health and Professor of Nutritional Physiology

- 2000 Marlena Kruger, MSc Potchefstroom CHE, PhD *S.Af.Med.*

Director of Research and Chair in Human Nutrition

- 2008 Bernhard H. Breier, MSc Gottingen, PhD *Auck.*

Albany Campus

Director Albany Campus and Programme Director Food Technology

- 1998 Marie Wong, BTech(Hons), PhD, FNZIFST

Professors

- 2008 Gil Hardy, PhD *Bath*, CChem, FRCS
 2001 Errol W. Hewett, BSc(Hons) *Cant.*, PhD *Wales*, FNZSHS, MRSNZ

Adjunct Professor

- 1999 John A. Birkbeck, MBChB *Edin.*, FRCPC, CABP, MNZIFST

Associate Professor

- 2007 Rozanne Kruger, BSc, BDietetics, MDietetics *Pret.*, PhD *Potchefstroom NZRD, RD (S.Af.)*

Senior Lecturers

- 2012 Martin Dickens, BSc(Hons), PhD *Brist.*
 2003 Kylie Foster, BTech(Hons), PhD
 2003 Sung Je Lee, MSc *Kansas*, PhD *NY.*
 2008 Anthony N. Mutukumira, MSc, PhD *AgUniNorway*
 2009 Pamela von Hurst BSc(Hons), PhD
 2002 Carol A. Wham, BHSc, MSc *Otago*, PhD *Adel.*, DipEd, NZRD, MNZIFST

Lecturers

- 2003 Kathryn Beck, BPhEd, BSc, MSc, PGDipDietetics *Otago*, NZRD, PhD
 2003 Catherine Conlon, MMedSci *Sheff.*
 2014 Eustina Fraser, BTech, PhD
 2013 Rothman Kam, BEng, PhD *Auck.*

2014 Marilize Richter, BSc, MSc *N-W (S.Af.)*

Senior Tutors

2001 Norbert W. Csatory, MSc *Erlangen*
2013 Deirdre Johnston, DipHSc, NZRD
2001 Elizabeth Stewart, DipHSc
2012 Judy Thomas, BHK Windsor, MSc W.Ont., PhD AUT

Dietetic Practice Coordinator

2012 Reena Soniassy, BNutDiet *Flin.*, APD, NZRD

Technical Staff

2003 Rachel Liu
2004 Helen R. Matthews, MSc, *Otago*
2013 Owen Mugride, BSc(Hons), MSc *Wales*
2011 PC Tong, BSc(Hons) *Leeds*, MSc *Auck.*

Manawatū Campus

Professor of Digestive Biomechanics

2001 Roger Lentle, MB BS *Lond.*, MSc, PhD, LRCP, MRCS, FRNZCGP

Logan Campbell Chair of Food Technology

2004 Richard H. Archer, BTech(Hons), PhD, FIPENZ, FNZIFST

Associate Professors

2009 Matt Golding, BSc *Sus.*, MSc *E.Anglia*, PhD *Leeds*
2001 Kevin C. Pedley, BSc(Hons), PhD *Sus.*
1982 Mary F. Nulsen, BSc(Hons) *W.Aust.*, PhD *Flin.*
1989 Brian H.P. Wilkinson, MTech, PhD

Senior Lecturers

1982 Rodney J. Bennett, MTech, DipMgt, NZIM, FNZIFST
2007 Louise Brough, MSc, PhD *Lond.*
2008 Alistair J. Carr, MTech, PhD
2007 Andrew R. East, BE(Hons), PhD
2005 Patrick W. M. Janssen, BE(Hons), PhD *Cant.*
1992 Chris J. Kendrick, MSc, DipSci, MNZIMLS
2002 Richard Love, BTech(Hons), PhD
2005 Lara Matia-Merino, BSc *Valladolid*, MSc *Burgos*, PhD *Leeds*
2013 David Popovich, BSc, MSc *Tor.*, PhD *Br.Col.*
2001 G. (Rana) Ravindran, BAgSc(Hons), MSc *Reading*, PhD *Virginia Tech.*
1979 Gordon W. Reynolds, MSc *Waik.*, PhD *Melb.*

Lecturers

2004 Wei-Hang Chua, BSc, DipSc, PhD
2008 Jason Hindmarsh, BChemMatEng(Hons), PhD *Auck.*
1995 Jon S. Palmer, MSc, PhD
2000 Michael E. Parker, BTech(Hons), PhD
2010 Jasmine Thomson, BSc *Waik.*, MSc, PhD

Senior Research Scientists

2009 Allan Hardacre, BSc, MSc *Auck.*
2002 Fran M. Wolber, BS, PhD *Mich.*

Research Scientists

2014 Shim Young-Min, BSc, MSc KAIST, PhD *Auck.*
2014 Abdul Jabbar, MSc, PGDip

Tutor

2012 Ying Jin, PGDipNutSci, MNutSci

Research Technologists and Engineers

2014 Georgie Hamilton, BSc, PGDipSc
1998 Peter B. Jeffery, BHortSc(Hons)
1993 Sue E. Nicholson, MHortSc

Technical Managers

1993 Felicity S. Jackson, NZDipSc, NZCS
2013 Ximenita Trejo-Araya, BFoodEng Catolica de Valparaiso, MTech, PhD

Technical Officers

1997 Chris L. Booth, BSc, NZCS
1996 Anne M. Broomfield, NZCS, NZVAC AnScTech

2006 Shampa De, BSc, MSc
1987 Byron D. McKillop, Trade Cert
2009 Elizabeth Maforimbo, MSc *L&H*, PhD *W.Syd.*
1987 John C. Pedley, NZCE
1987 Garry C. Radford, BSc, MPhil, DipSc

Technical Staff

2002 Derek J. Body, BSc(Hons)
1993 Steve Glasgow, BSc(Hons)
2011 Julia Good, BSc *Cant.*
2004 Corrin Hulls, BSc
1981 Warwick R. Johnson, NZCS
2003 Michelle McGrath, NZCS, BSc
2008 Yvonne Moore
2006 Gabrielle Plimmer, BSc
1992 Michelle R. Tamehana, MSc
2003 Leiza Turnbull, NDipSc
2003 Kim Wylie

Capability Facilitator

1998 Heather E. McClean, BSc(Hons) *Otago*, DipSc

Honorary Professor of Food Engineering

1978 Andrew C. Cleland, BTech(Hons), PhD, FRSNZ, FNZIFST, FIPENZ, FIRHACE

Honorary Research Associates

N. H. Banks, PhD
Professor C. S. Brennan (Lincoln University)
J. Lee, PhD, (Plant and Food Research)
Professor A. John Mawson (Charles Sturt, Australia)
Mr J. McKee (Carter Holt Harvey)
Warren C. McNabb, PhD, (AgResearch)
M. Morgenstern, PhD, (Plant and Food Research)
C. Prosser, PhD, (Dairy Goat Cooperative)
Roger W. Purchas, MAgSc, PhD *Mich.*
M.J. Reeves, BSc, BFoodTech, MTech(Hons)
N. Roy, PhD, (AgResearch)
David Simcock, PhD, (James Cook University, Cairns)
Welma Stonehouse, PhD, (CSIRO Adelaide)
Dave J. Tanner, PhD, (Zespri)
Bob Thorne, PhD, (Noise Measurement Services)
Mrs Patsy Watson (Auckland)
K. Wong, PhD *Scion*

Centre for Postharvest and Refrigeration Research

Director

2009 J. A. Heyes, BSc(Hons) *Well.*, DPhil *Oxf.*, FNZIAHS

Research Staff

2008 A. J. Carr, BTech, MTech, PhD
2007 A. R. East, BE(Hons), PhD
2001 E. W. Hewett, BSc(Hons) *Cant.*, PhD *Wales*, FNZSHS, MRSNZ
1998 P. B. Jeffery, BHortSc(Hons)
2002 R. J. Love, BE(Hons), PhD
1997 S. E. Nicholson, MHortSc
1995 Jon S. Palmer, MSc, PhD

Singapore Campus

Academic Director

1998 Kelvin T. Goh, MSc *Strath.*, PGDipDairySc&Tech, PhD

Adjunct Lecturer

2013 Lin Saw Kiat, PhD

Wellington Campus

Senior Lecturers

1979 Jim A. Clarke, BSc(Hons), *N'cle (UK)*, PGCE *Lond.*
2012 Nicholas Kim, BSc(Hons), PhD *Cant.*

- 1997 Stuart J. McLaren, MSc *Waik.*, RSH DipAPC, RSH DipPHI, PhD
 2012 Barry Palmer, BSc(Hons), PhD *Otago*

Lecturers

- 2010 Danielle Lambrick, BSc(Hons), PhD *Exe.*
 1999 Robert C.H. Lau, BSc(Hons), PhD *Otago*, DipMgmt, DipBus
 2010 Michelle Thunders, BSc, PGCertHE, PhD *Lond.*

Senior Tutor

- 2010 Daniel Wadsworth, BSc(Hons), MPhil *Wales*

Technical Staff

- 1995 Margaret J. Allison, BSc *Tas.*
 1982 Marilyn Mabon, QTA Mycobacteriology, CertAnimalNursTech., NZVAnNZ
 2008 Margaret McNeill, CertTESOL Weltec, CertMLP *Dunedin*

Roof Water Harvesting Centre

Director

- 1985 Stan E. Abbott, MSc, DipMedMicro, DipHistopath

Researchers

- 1999 Robert C.H. Lau, BSc(Hons), PhD *Otago*, DipMgmt, DipBus.
 1997 Stuart J. McLaren, MSc *Waik.*, RSH DipAPC, RSH DipPHI, PhD
 2003 Waytt H. Page, BE(Hons) *Auck.*, PhD
 2012 Barry Palmer, BSc(Hons), PhD *Otago*

School of Health and Social Services

Head of School

- 2002 Kieran O'Donoghue, BTheol *Otago*, MPhil, DipSocSc, PhD, RSW

Albany Campus

Associate Professors

- 2003 Mark Henrickson, BA *Trin.Coll.*, MDiv EDS *Mass.*, MSW *Conn.*, PhD *Calif.*, RSW
 2014 Ksenija Napan, BSW Zagreb, MSc Zagreb, PhD, RSW

Senior Lecturers

- 2011 Shirley Julich, BA(Hons), PhD
 2012 Eileen Oak, BA *Lanc.*, MSc *S'ton*, PhD *Salf.*

Lecturer

- 2011 Moses Faleolo, CertTertTeaching *Manukau*, MSW *Auck.*

Professional Clinician

- 2011 Lynsey Ellis, BA(Hons) *Lond.*, MA *Middx.*, RSW

Honorary Research Associate

- Rajen Prasad, PhD

Manawatū Campus

Professor

- 1991 Robyn Munford, ONZM, BSW, MSW *Calg.*, PhD

Associate Professor

- 2005 Jackie Sanders, MA, PhD

Senior Lecturers

- 2010 Lareen Cooper, BA, MBA, RSW
 2011 Michael Dale, BA, MSW, PhD, RSW
 1999 Kathryn Hay, BEd, MPhil, DipTchg, DipSocSc, PhD, RSW
 1993 Rachael Selby, JP, BA, MPhil, DipTchg
 1993 Martin Sullivan, QSO, BA, PhD *Auck.*

Lecturers

- 2010 Awhina English, MA *Otago*, PhD *Otago*, RSW
 2011 Hannah Mooney, MSW, RSW
 2010 Nicola Stanley-Clarke, BSW, MSW, PhD, RSW
 2010 Polly Yeung, BA, MSW, PhD, RSW

Assistant Lecturer

- 2013 Paul'e Ruwhiu, MSW, RSW

Graduate Assistant

- 2014 Tanya Koro, BSW, CertBusStud

Professional Clinician

- 2003 Helen Simmons, BSW, PGDipSocServSup, MPhil, RSW

Honorary Research Associates

- 1996 Mervyn W. Hancock, MA *NZ*, DipSocSc *Well.*
 2009 Bruce Maden, MSW(Applied) *Well.*, RSW
 2013 Mary Nash, BA(Hons) Keele, DipSocAdmin *Edin.*, DipSocWk *Edin.*, MSW(Hons), PhD

Honorary Research Fellow

- 2004 Andrew D. Trlin, MA *Well.*, PhD

Honorary Teaching Associates

- 2014 Mathew Keen, BSW(Hons), CertCaringEd, CertClinSup CIT, AdvCertDualDiagnosis CIT, MSW(Hons), PGCertArts
 2014 Andrea Watson, CertSoc&CommWk, BSW(Hons), PGDipSocServSup, RSW

Administrative Services Manager

- 1988 Michael Donnelly, BBS, PGDipBusAdmin

School of Nursing

Head of School and Professor

- 1989 Annette Huntington, BN, PhD *Well.*, CertTchg, RN

Associate Head of School

- 2002 Stephen Neville, MA, PhD, RN, FCNA(NZ)

Albany Campus

Senior Lecturers

- 2012 Sue Adams, MSc *Lond.*, PGCertHealth Visiting Oxford Brookes, PGCertHlth, *Auck.*
 2008 Alison Pirret, BA, MA, PGCertNurs, PhD, NP™ (Prescribing)
 2005 Felix Ram, PhD (Medicine) *Auck.*

Lecturers

- 2010 Catherine Cook, BHlthSci *AUT*, MCouns *Waik.*, PhD *Auck.*
 2014 Bernie Kushner, BScN Canada, MPhil, MCNA (NZ)
 2013 Sione Vaka, BHSc *AUT*, MN *Auck.*, PGCertTchg

Professional Clinician

- 2014 Jenny Green, MPhil, RN

Manawatū Campus

Professor

- 1994 Jenny Carryer, BA, PhD, RN, FCNA NZ, MNZM

BN Programme Director

- 2004 Engelbert C. Teekman, MA, RN

Lecturers

- 2012 Marla Burrow, MS, RN, CNL
 2002 Claire Minton, RN, MN
 2003 Vivien K. Rodgers, BA, BN, RN, GDGN, MN
 2006 Stacey Wilson, RN, MPhil, PhD, MNZCMHN

Senior Professional Clinician

- 2003 Jenny Phillips, MN, RN, NP™

Wellington Campus

Senior Lecturers

- 2006 Tula Brannelly, BPhil, PhD *Bham*, PGCertTchgSS, RMN
 1989 Jean Gilmour, BA *Well.*, PhD, DipSocSci, CertTchg, RN
 2000 Kim van Wissen, RN, PhD, PGCertTchgSS
 2008 Jill Wilkinson, BN, MA, PhD, PGCertTertTchg, RN

Senior Professional Clinician

- 2006 Deborah Leuchars, BN, BA *Well.*, MN *Syd.*, ICU cert *Well.*, ADN *Well.*, Reg. *Tehr. NZ*, RN

Professional Clinicians

- 2010 Thomas Gorte, MN, BSc(Hons), RN
 2014 Fiona Martin, BN, RN
 2013 Craig Waterworth, RN, MSc *Lond.Guild.*
 2012 Mark Henderwood, BN *WP*, RN
 2014 Rowena Price, BA, BN, PGDipNurs

Honorary Research Fellows

- 2014 Jean Clark, PhD, RN
2013 Kathryn Holloway, PhD, RN
2012 Mary Lynch, RN, MS, MPH, PNP-BC, FAAN
2006 Catherine Turner, BA *Qld.*, MN *Flin.*, PhD *Qld.*, DipTch, RN

School of Public Health

Centre for Public Health Research

Director and Professor

- 2003 Jeroen Douwes, PhD *Wagen.*

Associate Director

- 2008 Barry Borman, PhD *Otago*

Wellington Campus

Professional Research Fellows

- 2009 William Glass, ONZM, FFOM
2000 Neil Pearce, PhD *Otago*, DSc
2010 John Potter, MBBS, PhD *Qld.*
2011 Deborah Read, DComH, MB ChB *Otago*, FAFPHM
2009 Allan Smith, PhD, *Otago*

Senior Research Fellows

- 2000 Lis Ellison-Loschmann, MA, PhD
2000 Dave McLean, PhD
2003 Andrea t'Mannetje, PhD *Utrecht*

Research Fellows

- 2006 Collin Brooks, BSc(Hons) *Leeds*, PhD
2010 Jonathan Coakley, MSc *Qld.*
2013 Amanda Eng, BCA, BSc *Well.*, PGDipPH, PhD
2006 Riz Firestone, MPH, PhD
2002 Sunia Foliaki, MBBS, MPH, PhD
2011 Ruth Hinz, PGDipPH, RN
2010 Samuel Keer, BSc *Lough.* PGDipPH
2013 Kylie Mason, BA *Well.*, MSc *Well.*, PGCertPH *Otago*
2009 Anna Matheson, PhD *Otago*
2004 Tania Slater, BA *Well.*

Research Nurses

- 2007 Shirley-Belle Brogan, RGN, RM
2006 Heather Duckett, RGON
2008 Leigh Emmerton, RGON
2001 Elizabeth Harding, RGON
2010 Angela Thurston, RCompN
2012 Rosalind Timms, CpRN, BN
2013 Hana Tuisano, BN *Whitireia*, MA *Well.*, DipN *Whitireia*

Research Assistants

- 2013 Grace Chen, BE CAMIC, BA CUEB, PGDipPH
2012 Caroline Fyfe, BSc(Hons) *Manc.*, PGCE *Wales*, PGDipPH
2014 Prachee Gokhale, MSc *Bom.*
2003 Michelle Gray, BA *Well.*, PGDipPH
2008 Katharine Haddock, BA *Auck.*
2010 Teuvirihei (Helene) Marsters, MSc *Well.*
2013 Andrew Parnell, BSc(Hons) *Well.*
2008 Tracey Whaanga
2014 Fei Xu, MBChB Sun Yat-Sen, PGDipPH *Auck.*

Biostatisticians

- 2000 Soo Cheng, BSc(Hons), GDipInfSc
2014 Marine Corbin, MSc *Ensa*
2010 Mathangi Shanthakumar, MSc *Auck.*

Centre for Ergonomics and Occupational Safety and Health

Director and Professor

- 1995 Stephen J. Legg, BSc(Hons), PhD, FErgS, CNZERG

Associate Professor

- 1985 Ian S. Laird, MSc *Lond.*, PhD, DipHed, MRSH

Senior Lecturer

- 2006 Kirsten Olsen, MSc, PhD *Tech Univ. Denmark*

Sleep/Wake Research Centre

Director and Professor

- 2003 Philippa Gander, PhD *Auck.*

Associate Director

- 2003 T. Leigh Signal, BAv, MA, PhD *Otago*

Junior Research Fellow

- 2005 Karyn O'Keefe, BSc(Hons) *Well.*, PhD *Otago*

Postdoctoral Fellow

- 2013 Lora Wu, PhD *Washington State*

Junior Research Fellow and Doctoral Candidate

- 2003 Margo van den Berg, PGCertSc, PGCertMedTech *Otago*

Visiting Research Fellow

- 2013 Laura Howe, BSc(Hons) *Sus.*, MSc *Lond.*, PhD *Lond.*

Doctoral Candidates

- 2010 Rosemary Gibson BSc(Hons), RPSGT, MSc
2005 Diane Muller, BOT *Otago*, MPH *Well.*
2013 Jennifer Zaslon, BSc(Hons) *Sur.*

Business Manager

- 2012 Tracy Sanderson

SHORE & Whāriki Research Centre

Albany

Co-Director – SHORE & Whariki Research Centre and Professor

- 2002 Sally Casswell, ONZM, Fellow of Royal Society of NZ, BA *Sheff.*, PhD *Otago*

Co-Director – SHORE & Whariki Research Centre and Professor

- 2002 Helen Moewaka Barnes, MPH *Auck.*, PhD

Associate Director – SHORE & Whariki Research Centre and Professor

- 2002 Karen Witten, MSc *Auck.*, PhD *Auck.*

Business Manager

- 2002 Caroline Lowe, BA *Well.*

SHORE Research Staff

- 2002 Jeffery Adams, MA *Well.*, PhD, *Auck.*
2002 Lanuola Asiasiga, MA *Well.*, PhD *Well.*
2006 Penelope Carroll, MA *Auck.*, PhD *Well.*
2007 Pauline Dickinson, MEd *Auck.*, DipPubHlth *Auck.*, PhD *Auck.*, TTC
2012 Philip Donovan, BSc *Well.*, PgDip Sci *Auck.*, MSc *Auck.*
2010 Thomas, Graydon-Guy, BA(Hons) *Auck.*
2002 Taisia Huckle, MA *Auck.*, PhD
2014 Shamshad Karatela, PhD *AUT*, MPH *Qld.*, BSc(Hons) *Bayero*
2007 En-Yi Lin, BSc(Hons) *Auck.*, PhD *Well.*
2006 Suzanne Mavo, BCom(Hons) *Auck.*, MSc *Auck.*
2014 Karl Parker, MSc *Auck.*, PGDipSci *Auck.*, BSc *Auck.*
2011 Stephen Randerson, BA, *Auck.*, MSc *Cant.*
2008 Martin Wall, BA *Essex*, MSc *Lond.*, PhD *Lond.*
2002 Chris Wilkins, MMS *Waik.*, PhD *Waik.*
2014 Khoon Ching Wong, MSc *Auck.*, PGDipSci *Auck.*, BA *Auck.*

Whāriki Research Staff

- 2002 Belinda Borell, MPhil
2002 Wendy Henwood, BA
2002 Victoria Jensen-Lesatele, BA *Auck.*, LLB *Auck.*, MPH
2014 Jade LeGrice, BA(Hons) *Auck.*
2002 Tim McCreanor, MSc *Auck.*, PhD *Auck.*
2004 Verne McManus, MAEd *Auck.*
2008 Angela Moewaka Barnes, MA *Auck.*, PhD *Auck.*

2012 Donna Tairi-Ngata

Information Manager

2002 Lisa Morice, BA, DipLib

Honorary Research Fellows

2002 Paul Duignan, MA *Well.*, PhD *Waik.*

2007 Brian Easton, BSc(Hons) *Cant.*, BA *Well.*, PhD *Cant.*

Research Centre for Māori Health & Development

Director and Associate Professor

1994 Te Kani Kingi, BSocSc(Hons), MSocSc *Waik.*, DipMDev, PhD, DipTM

Deputy Director

1990 Maureen Holdaway, BA, PhD, DipSocSci, RGON

Senior Research Officer

1996 Lesley Batten, Dip Nurs, BA, MA, PhD

HRC Post Doctoral Research Fellows

1996 William Edwards, MPhil, BHort, BA(Te Tohu Paetahi) *Waik.*, PhD

2011 Lily George, PhD

Wellington Campus

Professor

1996 Chris Cunningham, BSc(Hons), PhD *Well.*, MRSNZ

School of Sport and Exercise

Head of School and Professor

2003 Stephen Stannard, MSc, PhD *Syd.*, MRSNZ

Professors

2012 Gary Hermansson, BA *Cal(Berk)*, MA, PhD, DipSocSci *Well.*

1981 R. Hugh Morton, MA *Camb.*, MSc *Wales*, PhD, FIS (UK)

Associate Professors

1994 Andrew J. Martin, BSc(Hons) *Brist.*, PGCE, MSc *Lough.*, PhD

2002 David S. Rowlands, BSc(Hons), PhD *Otago*

Senior Lecturers

2003 Ajmol Ali, MSc, PhD *Lough.*

2000 Darryl Cochrane, MPHed *Otago*, PhD

2004 Andrew Foskett, MSc, PhD *Lough*

2008 Sally Lark, BSc *Auck.*, BSc(Hons) *Salf.*, MMedSc *Belf.*, PhD *Manc. Met.*

1995 Dennis G. Slade, MPhil, Dip Tchg

2006 Toby Mündel, BSc(Hons), PhD *Birm.*

Lecturers

2007 Matthew Barnes, BSc(Hons), PhD

2009 James Faulkner, MSc, PhD *Exeter*

2008 Philip W. Fink, MSc, PhD *Purdue*

2011 Sarah Gee, MSc *Lakehead*, PhD *Otago*

2007 Jeremy Hapeta, MEd, DipTeAraReoMāori

2009 Lynette Hodges, BSc *Luton*, MSc *Liv.*, PhD *Brun.*

2011 Yusuke Kuroda, BS Connecticut, BA *Ott.*, MPE *Tsukuba*, PhD *Wales*, GradCert *Syd.*

2011 Paul Macdermid, BSc(Hons) *Nott.*, MSc *Lough.*, PGCE:FE

2011 Sarah Shultz, MEd, PhD *Temple*

2011 Lee Stoner, BSc(Hons) *Brun.*, MA, PhD *Georgia (USA)*

Senior Tutor

2004 Peter O'Sullivan, MEd

Tutor

2011 Michelle Blunden, BSc, BPhEd *Otago*

Technical Staff

2010 Simon Bennett, BSc

College of Humanities and Social Sciences

Institute of Education

Director of Institute and Professor

1995 John O'Neill, BA *Nott.*, MSc, CNA, PhD, PGCE *Lanc.*, DipRSA

Albany Campus

Professors

2006 Thomas Nicholson, BA *Syd.*, MA, PhD *Minn.*, Teachers' Cert *Syd.*

2006 Michael Townsend, MA *Cant.*, PhD *Illinois*, DipTchg

Associate Professors

1998 Mandia Mentis, MEd, PhD, HDipEd (PG) *Wits.*

2004 M. Helen Southwood, MAppSc *Cumberland*, PhD *Wisc.*

Senior Lecturers

2013 Jeanette Berman, BA NE, PhD *NE*, DipEd *NSW*, GDipEd *UWS Nepean*

2008 Sally Clendon, MSLT *Cant.*, PhD *NthCarolina*

2012 Elizabeth Doell, MEd, *Cant.*, PhD *Syd.*, DipTchg

2003 Roberta Hunter, MEd, PhD, DipTchg

2000 Michael Irwin, MEdAdmin, PhD, DipTchg

Lecturers

2012 Wendy Holley-Boen, BA, Calif., MSc Oregon

2007 Jayne Jackson, BSocSc *Waik.*, MEd *Auck.*, DipTchg

Senior Tutor

2011 Graham Jackson, BA *Waik.*, MEd *Waik.*, DipTchg

Clinical Director, Speech Language Therapy

2004 P. Yvonne Cope, PGDipSLT, PGCertClinTchg *Cant.*, DipTchg

Senior Professional Clinicians

2013 Alison Cooper, BA Newcastle (UK), MSc City (UK), PhD *Newcastle (UK)*

2013 Terence Edwards, BA, MEdPsych, PGDipEdPsych

Clinical Educators

2007 Delize Delaney, BA(Logopaedics) *Pret.*

2007 Patricia Govender, BSLT(Hons) *Durban-W*

2003 Annabel Grant, BSLT *Cant.*, PGCertHS *Auck.*

2012 Emily Jones, BAppSc *Syd.*

Manawatū Campus

Distinguished Professor

1988 William E. Tunmer, BS, PhD *Texas*

Professors

1995 Glenda Anthony, BSc(Hons), MPhil, PhD, LTCL, DipTchg

1980 James W. Chapman, MA *Well.*, PhD *Alta.*, Dip Tchg, FIARLD

2007 Howard Lee, BA, MEd, PhD *Otago*, ATCL

2006 Claire McLachlan, MA, PhD

2001 Margaret Walshaw, BSc *Cant.*, MEdAdmin, PhD, DipTchg

Associate Professors

1978 John A. Clark, BEd *Waik.*, MA *Lond.*, PhD, DipPhilosEd, DipTchg

1999 Sally Hansen, BA *Well.*, MPhil, PhD, DipEd, DipTchg

1996 Tracy L. Riley, MEd, PhD *Sth Miss.*

Senior Lecturers

2010 Karen Anderson, BA(Hons) *Well.*, DipTchg *Cant.*, MEdAdmin

2006 Alison Arrow, BA *Well.*, MA *Auck.*, PhD *Auck.*

2011 Karen Ashton, BA *Well.*, BCA *Well.*, MA *Cardiff*, PhD *Lond.*

2013 F. Tony Carusi, BA(Phil), MA(Phil), PhD *Georgia*

2013 Vijaya Dharan, PhD, MA(Psych), PGDipEd, BEd, BA

2012 Hal Jackson, BSc *Oregon*, PhD *Washington*, CertTchg

2013 Karen Frewin, PhD, MA, BA

1994 Penny Haworth, BEd, MA, PhD, DipSLT, DipTchg

1997 Alison Kearney, MEd, PhD, AdvDipTchg, DipSTN

- 2007 Alyson McGee, BEd *Birm.*, MEd, DipTESOL *Westmidlands*, MSc(TESOL) *Aston*, PhD *Gothenberg*
- 2013 Tara McLaughlin, PhD, MEd, BA
- 1990 Jenny Poskitt, BEd, MEdAdmin, PhD, DipTchg
- 1991 Jane Prochnow, MA *West Mich.*, EdD *Nth Ill.*
- 2003 Peter Rawlins, BSc, MEdStuds, PhD, DipEd
- 1994 Alison Sewell, BEd, MEd, PhD, DipTchg
- 1986 Kathleen Vossler, BEd, MEdAdmin, EdD, DipTchg

Lecturers

- 2011 Karyn Aspden, MEd, BA, DipTchg
- 2011 Judith Donaldson, PhD, MA, Dip Tchg, Dip Ed, ATCL, AIRMT NZ
- 2011 Maggie Hartnett, BSc(Hons) *Adel.*, MEd, PhD
- 2012 Jodie Hunter, BA *Auck.*, MEd, PhD *UoP*, PGDipTchg
- 2006 Tracey-Lynne Cody, PhD, MA, DipTchg
- 2013 Clare Mariskind, PhD *Well.*, MEd, BA *Well.*
- 2008 Cat Pausé, BA *TxState*, MA *TTU*, PhD *TTU*
- 2011 Carrol Walkley, MSc, BSc, DipSc, DipTchg

Senior Tutors

- 1987 Teresa Ball, MEd, PhD, CertEd *Leic.*
- 2010 Julia Budd, HND, PGDipRehab, MPhilRehab
- 2011 Monica Cameron, MEd, PGDipTchg
- 2008 Judith Deanne-Freeman, BEd
- 2013 Linda Rowan, MEd, PGDipSc, BSc

Research Officer

- 2005 Philippa Butler, BA, MA

Honorary Teaching/Research Fellow

- 2012 Hilary Smith, PhD

Centre of Excellence for Research in Inclusive Education

Director

TBA

Centre of Excellence for Research in Mathematics Education

Co-Directors

- 1995 Glenda Anthony, BSc(Hons), MPhil, PhD, LTCL, DipTchg
- 2001 Margaret Walshaw, BSc *Cant.*, MEdAdmin, PhD, DipTchg

Centre for Educational Development

Director

- 2011 Diane Leggett, MEd, BMus, AdvDipTchg, TTC

Deputy Director

- 2001 Colleen Douglas, MEdAdmin, PGDipEval, BA, DipTchg

Manawatū Campus

- 1997 Christine Braid, MEd, BEd, DipTchg, DipChnLit
- 2012 Keri Cheetham, BEd
- 2014 Rāhera Filiata, BEd
- 2014 Roberta Kaiwai-Paterangi BEd, BMPA, PGDipTchg
- 2004 Ken Kilpin, MEd, BSocSci, DipTchg
- 2001 Christine Lepper, BEd, DipTchgECE
- 2011 Karen Mackay, BEd, DipTchgECE
- 2008 Heneriata Milner, PGCert, BEd, DipTchg
- 2002 Anna Stephenson, MEd, DipTchg
- 2009 Johanna Wood, MEdStudies, BA, DipTchg

Ruawhāro Centre, Napier

- 2003 Heather Bell, MEd, DipTchg, DipTechEd
- 2007 Nicola Dowling, PGCert, DipTchg, DipNZAPER
- 2007 Adie Graham, BEd, MEdAdmin, DipTchg
- 2010 Lotitia Hensman, BEd, DipTchg
- 1993 Barry Potter, MEd Admin, DipEd, TTC
- 2007 Janine Remnant, BEd, DipEdMgmt, DipTchg

School of English and Media Studies

Head of School and Associate Professor

- 1997 Joe A. Grixti, MA *Oxf.*, PhD *Brist.*

Albany Campus

Senior Lecturers

- 1998 Jenny M. Lawn, MA, PhD *UBC*
- 1994 Brian P. McDonnell, MA, PhD *Auck.*, TTC, DipTchg
- 1996 Mary E. Paul, MA, PhD *Auck.*, DipTESL *Well.*
- 2006 Jack R. Ross, MA *Auck.*, PhD *Edin.*, CLTA *AUT*

Lecturers

- 2013 Rand T. Hazou, Masters Preliminary in Theatre and Drama, PhD *La Trobe*
- 2005 Simon Sigley, MA *Nancy II*, PhD *Auck.*

Tutors

- 2006 Matthew Harris, MA *Auck.*, PhD
- 2013 Bronwyn M. Lloyd, MA *Auck.*, PhD *Auck.*

Manawatū Campus

Associate Professors

- 1989 Lisa E. Emerson, MA, PhD
- 1995 Angie Farrow, MEd, PhD *Exe.*, TCert
- 2004 Bryan J. Walpert, MFA *Maryland*, PhD *Denver*

Senior Lecturers

- 2005 Thom Conroy, MA *Oklahoma*, PhD *Ohio*
- 1987 Doreen D'Cruz, BA(Hons) *Sing.*, MA, PhD *Mich.*
- 1996 Allen Meek, MA, PhD *Florida*
- 2007 Kim Worthington, BA(Hons), DPhil *Oxf.*

Lecturers

- 2013 William (Bill) Angus, MA, PhD *Newcastle (UK)*
- 2006 Stuart Hoar
- 2013 Nicolas H.F.Holm, MA, PhD *McMaster*
- 2008 Ian Huffer, BA(Hons), DPhil *Sussex*
- 2010 Philip M.C. Steer, MA *Well.*, PhD *Duke*
- 2013 Sy A. Taffel, BA(Hons), PhD *Brist.*

Assistant Lecturer

- 2012 Peri Chapelle, MA

Senior Tutors

- 2013 Sally Couper, BA(Hons) *Otago*, DPhil *Oxf.*
- 2006 Joy Green, BA(Hons) *Exe.*, PGCE, DipIT *De Montfort*
- 2006 Judith Moore, BA

Tutors

- 2006 Suzanne. Chelius, MA *Oklahoma*
- 2013 Shelley M. Dixon MA, PhD, *Victoria*
- 2011 Joan Fleming, MA *Well.*
- 2006 Louise Folster, BTech(Hons), GradDipALT
- 2011 Rebecca Freeman, BA, GradDipTchg(Sec)
- 2011 Rebecca Hayward, MA *Cant.*, MPhil *Camb.*, PhD *Camb.*
- 2007 Sheridan Hickey, BA, TTC PNTC, LSB(CT), LSB(PS), LSB(S&D) *Licentiate NZ Speech Board*, LTCL(S&D) *Licentiate Trinity College Lond.*
- 2011 Katherine Lyons, MA
- 2006 Margi Mitcalfe, BA, GradDipALT, PGDipBusAdmin, DipCnslg *UCOL*, MMgt, CertTESOL
- 2006 Megan Stace-Davies, MA, DipTchg(Sec) *ACE*, CertTEAL
- 2011 Lara Thompson, BA, CertTESOL, CertProjMgmt

Honorary Research Fellows

- 2002 Judith D. Panny, MA, PhD, DipTchg
- 2013 Russell G. Poole, MA *Otago*, PhD, *Toronto*
- 2000 John C. Ross, MA *Well.*, PhD *Lond.*
- 2008 E. Warwick Slinn, MA *Cant.*, MA *Hawaii*, PhD *UBC*

Wellington Campus

Associate Professor

2014 Elspeth Tilley, BA(Hons), PhD *Qld.*

Senior Lecturers

2007 Ingrid A. Horrocks, BA(Hons) *Well.*, MA *York*, PhD *Princeton*
2013 Kevin T. Glynn, MA, PhD, *Wisconsin-Madison*
2007 Ian R. Goodwin, BCA *Well.*, MA *C.England*, PhD *Birm.*

Lecturers

2013 Alex L. Bevan, MA, PhD *Northwestern*
2012 Hannah E. Gerrard, MA *Auck.*, PhD *Pitt.*

Tutors

2009 Sally Bolitho, MA *Auck.*, PhD *York*
2009 Leonardo Oliveira Da Cunha Lima, BCinema *Estácio de Sá*
2011 Robyn Shaw, BVA *Welltec*

School of Humanities

Head of School and Associate Professor

1997 Kerry Taylor, BA(Hons), PhD *Well.*

Albany Campus

Professor

1993 Michael Belgrave, BSocSci *Waik.*, MPhil *Auck.*, PhD *Well.*
1979 Peter J. Lineham, BD *Otago*, MA *Cant.*, DPhil *Sus.*

Senior Lecturer

1999 Adam Claasen, BA(Hons), PhD *Cant.*

Lecturers

2014 José Diaz Rodríguez, BA(Hons) *Madrid*, PGDipArts *Auck.*, MA, PhD *Leeds*
2014 Victoria Faris, BComm(Hons) GDipTchg, *Well.*,
2006 David Ishii, BLA *Guelph*, MA *Monterey*, PhD *Toronto*
2012 John Matthewson, BA, MBCHB *Otago*, BA(Hons) *Well.*, PhD *ANU*
1997 Mary Salisbury, BA, PhD *Auck.*

Manawatū Campus

Professor

1983 Cynthia J. White, BA(Hons), PhD, DipTESL *Well.*

Associate Professors

2004 William J. Fish, MA, PhD *Nott.*
1987 James Watson, MA, PhD *Cant.*

Senior Lecturers

2002 Leonel Alvarado, BA Honduras, MA, PhD *Maryland*
2010 Andrew Brown, BA(Hons), DPhil *Oxf.*
1994 Kirsty Carpenter, Ma'îtrise DEA Docteur en Histoire *Paris I Sorbonne*
2002 France Grenaudier-Klijn, BA(Hons), PhD *Well.*
2003 John Griffiths, MBA *Lanc.*, PhD *Manc.Met.*
1995 Rosemary M. Haddon, MA, PhD *BC*
2004 Karen Jillings, MA, PhD *Aberd.*
2005 Douglas Osto, BA Grinnell, MTS *Harv.*, MA *Wash.*, PhD *SOAS*
2003 Peter R. Petrucci, MA *Calif. State*, PhD *USC*
2001 Adriane A. Rini, BA Smith, PhD *Mass.*
1994 Gina Salapata, MA, PhD *Penn.*
2002 Gillian R. Skyrme, MA *Well.*, DipSLT, PhD
2006 Ute Walker, BA *Albertus Magnus Universität, Cologne*, MA, PhD
2000 Geoff Watson, MA *Cant.*, PhD *Griff.*

Lecturers

2006 Arianna Berardi-Wiltshire, BA, DipSLT, PhD
2011 Maria C. Bortolotto, MA, PhD *North Carolina*
2010 Gerald Harrison, BA(Hons) *Kent*, MA, PhD *Durh.*
2012 Peter Meihana, BA *Otago*, MA
2014 James Richardson, MA *Auck.*, PhD *Exe*
1989 Penelope A. Shino, MA, PhD *Auck.*
2002 Christopher van der Krogt, MA *Cant.*, PhD, DipSLT

Senior Tutors

2006 Stephen Chadwick, MA *Aberd.*, MA, PhD, DipSW *Hull*
2000 Stephen Duffin, MA
2007 Toshiaki Yamauchi, BLaws *Doshisha*Tutor
2003 Tianshu Dong, MA *QingHua*, DipEd, MEd

Adjunct Professor

2014 Monty Soutar, BA(Hons) *Well.*, MA, PhD

Honorary Research Fellows

Damien Fenton, MA *Waik.*, PhD *NSW*
David W. Thomson, MA *Cant.*, PhD *Camb.*

Honorary Research Associates

Brian Colless, BA(Hons), DipEd *Syd.*, BD(Hons) *Lond.*, MA, PhD *Melb.*, ThD *A.C.Th.*
Grant Young, MA *Auck.*, PhD

Te Pūtahi-a-Toi: School of Māori Art, Knowledge and Education

Head of School and Professor

2014 Rawiri Taonui, CtPh, BA, MA, GradDipBus, PhD

Manawatū Campus

Associate Professor

1994 Huia Jahnke, DipTchg, MEd, PhD

Senior Lecturers

2006 Margaret Forster, BSc *Cant.*, MSc *Cant.*, GradDipMāoriDev, PhD
1996 Spencer Lilley, MA *Auck.*, PhD, DipLibr *Well.*, FLIANZA

Lecturers

2007 Bronwyn Campbell, BA(Hons), PhD
2000 Darryn Joseph, BA *Waik.*, BA(Hons), DipTchg, CELTA, Tohu Whakamarama ā-tuhi, PhD
1997 Hone Morris, DipTchg, BA *Auck.*, MA, *TTC, Tāunga Tohu ā-tuhi, ā-waha*
1987 Julia Taiapa, MA, DipTchg
2008 Veronica Tawhai, MEd
2011 Te Rina Warren, MA

Senior Tutor

2013 Mari Ropata-Te Hei, PGDip *Well.*, BEd *Auck.*, DipTchg, BMVA

Albany Campus

Senior Lecturer

2003 Fiona Te Momo, CertMāori Studies, BA, PGDipNFPMgt, MMPD, PhD *Waik.*

School of People, Environment and Planning

Head of School

1989 Allannah M. Ryan, MA, PhD

Professors

2002 Bruce C. Glavovic, BSc(Agric) *Natal*, MSc *Cape Town*, MP, PhD *Virginia*, MNZPI
1989 Michael M. Roche, MA, PhD *Cant.*
1996 Kathryn Rountree, MA *Auck.*, DPhil *Waik.*
1995 Regina A. Scheyvens, BA(Hons), PhD
1992 Murray Patterson, BSc *Auck.*, MSc *Cant.*, PhD, MNZPI

Associate Professors

2008 Glenn Banks, MSc *Cant.*, PhD *ANU*
1990 Christine Cheyne, MA, PhD
1993 L. Grant Duncan, MA, PhD *Auck.*
1993 Ann Dupuis, MA, PhD *Cant.*
1994 Juliana R. Mansvelt, BA(Hons), PhD *Sheff.*
1995 Caroline L. Miller, BA *Auck.*, BRP(Hons), PhD, MNZPI
2005 Robin Peace, BSocSc *Waik.*, BA *Cant.*, PhD *Waik.*, DipTchg *ChCh.*
1992 Richard Shaw, MA, PhD
1986 Jeffrey A. Sluka, BA *San Jose*, MA *Berkeley*, PhD *Berkeley*

Senior Lecturers

- 2005 Robyn Andrews MA, PhD
1996 Jenny Coleman, BA(Hons), PhD *Cant.*
2003 Beth Greener, MA *Cant.*, PhD *ANU*
2004 Matthew Henry, BRP(Hons), MPhil, PhD *Auck.*
2008 Jeffrey McNeill, MA, MPP, PhD
1998 Graeme MacRae, MPhil, PhD *Auck.*
2009 Carolyn Morris, BA, MA, PhD *Auck.*
2007 Imran Muhammad, BSc *Lahore*, MSc *HK*, PhD *Melb.*
1991 Mary E. Murray, BA(Hons) *Warw.*, PhD *Glas.*
2004 Nigel Parsons, BA(Hons) *Keele*, MA, PhD *Manc.*
2008 Russell Prince, BA *Auck.*, BCom *Auck.*, MA *Auck.*, PhD *Bristol*
1993 Eleanor Rimoldi, MA, PhD *Auck.*
1993 Warwick Tie, MSW, PhD
1997 Sita Venkateswar, MSc *Calc.*, PhD *Rutgers*
1991 Brennon Wood, MA, PhD *Harv.*

Lecturers

- 1997 Susan F. Abasa, BA *Adel.*, MPhil, PhD
2005 Robyn Andrews, MA, PhD
2009 April Bennett, BA, MPhil
2013 Emily Beausoleil, BHum(Hons), MA *Br.Col.*, PhD *Br.Col.*
2007 Maria Borovnik, MSc *Cologne*, PhD *Cant.*
2010 Trisia Farrelly, BA(Hons), PhD
2014 Fuafiva Fa'alau, MA *Auck.*, PhD
2010 Aisling Gallagher, BA *Eire*, MLitt *Eire*, PhD *Bristol*
2014 Peter J. Howland, BA(Hons) *Well.*, MCW, PhD *Cant.*
2007 Johannes G. Prinsen, MA *Groningen*, PhD
2013 Damien Rogers, BA(Hons) *Cant.*, MA *Cant.*, MIntRelations *Well.*, PhD *ANU*
2010 Joanna Ross, MRP
2008 Rochelle Stewart-Withers, BN, PGDipNurs, PGDipDevStud, PhD
2011 Corrina Tucker, MA, PhD
2014 Vicky Walters, BA, PGDipDevStuds, PhD
2014 Junjia Ye, BA(Hons) *York (Can.)*, MA *York (Can.)*, PhD *Br.Col.*

Senior Tutor

- 2001 Rachel Summers, BSc

Honorary Research Associates

- 1983 Henry G. Barnard, BA(Hons) *Well.*, MA *Lond.*, PhD, DipNZLS
1976 Paul E. Perry, MA *Ariz. State*, PhD *Hawaii*

Research Officer

- Derrylea Hardy, BBS(Hons)

School of Psychology

Head of School and Professor

TBA

Albany Campus

Kaumātua

- 2011 Nephi Skipwith, Te Arawa, Tainui, Ngapuhi, Ngati Whatua, Ngati Kahungunu, Kaitahu Waitaha

Professors

- 2001 Stuart C. Carr, BSc(Hons), PhD *Stir.*, RegPsych, IAAP, SIOP, MNZPsS
1973 Kerry Chamberlain, MA *Cant.*, FEHPS, RegPsych

Associate Professor

- 1998 Paul L. Merrick, BA, PhD *Otago*, PGDipArts, DipClinPsych, RegClinPsych, FNZCCPsych

Senior Lecturers

- 2003 Heather Buttle, BSc(Hons), PhD *Wales*, *JRSA*
1972 Dave Clarke, BA *Tor.*, MA, PhD *York*, *RegClinPsych*
2000 Richard B. Fletcher, BA(Hons) *Exe.*, MSc *Alta.*, PhD *N.Carolina*
2003 Dianne Gardner, MPsychol(Applied) *NSW*, PhD *AGSM/Syd.*, RegPsych

- 2000 Beverly Haarhoff, MSocSc *Natal*, PhD, RegClinPsych, MNZCCPsych
2009 Angela McNaught, BA(Hons) *Otago*, PhD, PGDipClinPsych, RegClinPsych, MNZCCPsych
1999 Mei Wah Williams, MA, DipClinPsych, PhD, DipTchg, RegClinPsych, MNZPsS, MICP

Senior Professional Clinicians

- 2009 Siautu Alefaio-Tugia, MA, *Auck.*, PGDipEdPsych, RegPsych, MNZPsS
2009 Anita Bellamy, MA, PGDipClinPsych *Auck.*, RegClinPsych, MNZCCPsych
2008 Robyn C. Vertongen, MA, PGDipClinPsych, PGDipCBT, RegClinPsych, MNZPsS

Lecturers

- 2003 Jhanitra R. Gavala, MSocSc *Waik.*, PGDipEdPsych, RegPsych
2011 Peter Cannon, BSc(Hons), PhD *Bangor*

Tutor

- 2012 Veronica Hopner, MA, PGDipArts

Centre for Psychology

Centre Director and Senior Lecturer

- 2011 Clifford van Ommen, BSc *Wits.*, MA *RAU*, DLitt et Phil *UNISA*, RegClinPsych, MNZPsS

Senior Clinical Psychologist

- 2010 Natasha de Faria, MA, PGDipClinPsych, RegClinPsych, MNZCCPsych

Clinical Field Supervisors

- Kirsty Blackwood, MA, PGDipClin *Auck.*, RegClinPsych
Ailke Botha, MA Jo'burg, PhD, *Pret.*, RegClinPsych
Mike Butcher, MA, DipClinPsych *Auck.*, RegClinPsych
Trish du Villier, DipClinPsych *Auck.*, RegClinPsych
Tina Earl, MA, DipClinPsych *Auck.*, RegClinPsych
Clare-Ann Fortune, MSc, PGDipClinPsych, PhD *Auck.*, RegClinPsych
Kalpana Govind, BA(Hons), MA *P.Elizabeth*
Cheska Hadleigh, DipMentalHealth, MA *Auck.*, RegClinPsych
Munira Haidermota, MCLinPsych *Bom.*, RegClinPsych
Sandy Jocelyn, BSc(Hons), MSc *KwaZulu Natal (Pietermaritzburg)*, RegClinPsych
Mark Lombard BA(Hons), MA, PhD *P.Elizabeth*, RegClinPsych
Kay Mathewson, MA, PGDipClinPsych, PGDipCBT, RegClinPsych
Snezana Mitrovic-Tosovic, BPhil(Hons) *Belgrade*, RegClinPsych
Helen Norman, MSocSc *Natal*, RegClinPsych, MNZPsS, MICP
Jon Nuth, BSc(Hons) *R'dg*, MSc *S'ron*, ClinPsyD *Birm.*, RegClinPsych
Karin Ruppeldt MA, PhD *ClinPsych Bratislava*, RegClinPsych
Judith Russell, MSc, PGDipClinPsych, RegClinPsych
Henk Smith, BSc(Hons), MSc *Stell.*, RegPsych, MNZPsS
Mimosa Soldatovic, RegClinPsych
Malcolm Stewart, PhD, DipClinPsych *Otago*, RegClinPsych
Dionne Taylor, BA(Hons), DCLinPsych *Auck.*, RegClinPsych
Jim van Rensburg, MA *S.Af.*, RegPsych
Marleen Verhoeven, DCLinPsych *Katholieke, Nijmegen*
Sunila Wilson, MA, MPhil(Psych) Hyderabad, India, GDipChildMental Health *AUT*, RegPsych
Louise Woolf, PGDipSocPol&SocWrk, MSc, PGDipClinPsych, RegClinPsych
- ### I/O Psychology Field Supervisors
- Hillary Bennett, BSc(Hons), PhD *Natal*, RegPsych
Jean de Bruyne, MA *Auck.*, RegPsych
Paul Englert, BSc(Hons), PhD *Well.*, GDipApplStat, MNZPsS, RegPsych
Stewart Forsyth, MA, PGDipClin *Auck.*, RegPsychMNZPsS, MIAAP, FHRINZ
Dave George, BA(Hons) PhD, MNZPsS, MHRINZ, RegPsych
Leah Kininmonth, MA *Cant.*, RegPsych
Frank O'Connor, MSc *Cant.*, RegPsych
Sharon Rippin, MSc, DipClinPsych, PhD, RegPsych
David Winsborough, MSocSci, DipPsych(Clin) *Natal*, RegPsych MNZPsS
Michaela Drum, MA, PGDipl/OPsych, RegPsych

Manawatū Campus

Kaumātua

2004 Harawira T. Haronga, BA, PGDipArts, MSW(Applied), MANZASW, Ngāti Kahungunu-Ki Heretaunga

Professors

1999 Fiona M. Alpass, MA, PhD
1991 Andrew J. Lock, BSc(Hons) *Nott.*, PhD *Hull*, CPsychol, FBPsS
1992 Catherine A. Morgan, BA(Hons), PhD *Murd.*, DipEd *Curtin*
1996 Christine V. Stephens, MA, PhD, DipSocSci, DipTchg

Associate Professors

1981 John V. Podd, MA, PhD *Well.*, MAPS, MBMS
1980 John Spicer, BA(Hons), PhD *Keele*

Senior Lecturers

2003 Leigh M. Coombes, MA, PhD, DipTchg
1993 Gustav M. Haberman, MSc, MEd *Dr Univ E.L.T.E.*, CSci, Acad.Sci.
1993 Jocelyn A. Handy, MSc *Birm.*, PhD *Lanc.*
2002 Stephen R. Hill, MA, PhD *Cant.*, DipTchg
2008 Kirsty J. Ross, BA(Hons), PhD, PGDipClinPsych, RegClinPsych, MNZPsS
2003 Joanne E. Taylor, MA, PhD, DipClinPsych, RegClinPsych, MNZCCP
1978 Alan S. W. Winton, MSc, PhD *Auck.*, DipTchg
1977 Cheryl C. M. Woolley, MA, DipClinPsych, RegClinPsych, FNZPsS, MICP MNZCCPsych

Senior Professional Clinicians

1999 Jan A. Dickson, MA, PGDipClinPsych, RegClinPsych, MNZCCP,
2009 Barbara Kennedy, BA *Qld.*, DipEd *Arm.*, BPsych(Hons), GCE, PhD *JCU*, RegPsych., MNZPsS

Lecturers

2012 Michael Philipp, MA UMCP, MA UNI, PhD *Qld.*
2008 Natasha A. Tassell-Matamua, MA, PhD

Tutor

2012 Ann Rogerson, MA

Honorary Research Associates

2005 Kevin R. Ronan, MA, PhD *Temple*, MNZPsS, MICP
2004 Tom Strong, MEd *Ott.*, PhD *Alta.*, CPsychol
2007 Charles Waldegrave, MA *Waik.*, MA *Camb.*, MNZPsS

Research Officer

2011 Brendan S. Stevenson, DipDairyTech, MA

Psychology Clinic

Clinic Director and Senior Lecturer

2004 Shane T. Harvey, MSocSc, PGDipClinPsych, PhD *Waik.*, RegClinPsych, MNZCCPsych

Senior Clinical Psychologists

2006 Don M. Baken, BSc(Hons), PhD, PGDipClinPsych, RegClinPsych, MNZPsS
2008 Maria Berrett, MA, PGDipClinPsych, RegClinPsych, MNZPsS
2002 Lizzy M. Kent, MA, PGDipClinPsych, RegClinPsych, MNZPsS, MICP
2008 Kirsty J. Ross, BA(Hons), PhD, PGDipClinPsych, RegClinPsych, MNZPsS

Clinical Psychologists

2012 Amber J. Barry, BTchg *Otago*, DipCh&AdolPsych, BAppSci OPNZ, BSc(Hons), DClinPsych, RegClinPsych, MNZPsS
2008 Sarah Malthus, MA, PGDipClinPsych, RegClinPsych

Haumarū Tautoko Hauora

2012 Hukarere Valentine, BA(Hons), DClinPsych, RegClinPsych, MNZPsS, Ngāti Kahungunu, Te Ati Awa, Ngāti Tuwharetoa, Ngāti Awa, Tuhoē, Nga Puhī, Ngai Tahu

Māori Clinical and/or Health Psychologist

2010 John Pahina, BA, PGDipArts, MA, PGDipClinPsych, RegClinPsych, Ngāti Porou

Clinical and/or Health Psychologist

2013 Amy Aldridge, MA, PGDipPsychPrac

2013 Kara-Lise Duxfield, BSc(Hons), DClinPsych

2013 Victoria Marke, PhD, PGDipPsychPrac, MNZPsS

Clinical Field Supervisors

Milja D. Albers-Pearce, MA, DipClinPsych *Cant.*, RegClinPsych NZCCP, NZPS

Dirk Badenhurst, MA UNIN., RegClinPsych MNZPsS

Harry Ball, DClinPsych Leicester, RegClinPsych

Maria Berrett, MA, PGDipClinPsych, RegClinPsych

Guy Breakwell, MA, DipClinPsych, RegClinPsych

Robyn Boyd, MA, PGDipClinPsych, RegClinPsych

Shelley Cooper, RegClinPsych

Phillipa Croy, DClinPsych, RegClinPsych

Gerard Dolan, MSocScPsych *Waik.*, RegClinPsych

Ann Flintoft, MA *Cant.*, PGDipClinPsych, RegClinPsych

Helen Foster, DipAppPsych (Clin), RegClinPsych

Robyn Girling-Butcher, MA, PGDipClinPsych, RegClinPsych

John N. Glass, MA *Cant.*, PhD, RegClinPsych, MNZPsS

Sasha Gold, PhD *Otago*, PGDipClinPsych, RegClinPsych

Vicki Graham, MA, PGDipClinPsych, RegClinPsych

Alan Guy, MSc, PGDipClinPsych, RegClinPsych, MNZPsS

Shane Harvey, PhD, PGDipClinPsych, RegClinPsych

Steve Harvey, PhD *Denver*, RegClinPsych, RegEdPsych

Juanita Heath, MPhil, DipClinPsych, RegClinPsych, MNZPsS, MNZCCPsych

Cath Hunter, MA, PGDipClinPsych, RegClinPsych

Fiona Kennedy, BA(Hons), MA, DipClinPsych, RegClinPsych

Ron Kinsey, MSc, DipClinPsych *Auck.*, RegClinPsych, MNZPsS

Martin Koorts, BSc *Natal*, MA *Unisa Pret.*, RegClinPsych, MNZPsS

Ingo Lambrecht, MA, PhD *Witw.*, RegClinPsych, MNZPsS, HPBSA

Erin Mooney, DPsych, RegClinPsych

Debra Oliver, PGDipClinPsych, RegClinPsych

Roxie Orr, DPsych *Mel.*, RegClinPsych

Jethro Pack, MSc, PGDipClinPsych, RegClinPsych

Diana Paki, MA, PGDipClinPsych, RegClinPsych

Mark Rainier, BA(Hons) *P.Elizabeth*, MA, MEd, HDE *Rhodes*, RegPsych MNZPsS

Kelly Richardson, MA, PGDipClinPsych, RegClinPsych

Colin Shorvon, BA(Hons) *Keele*, MSc *Manc.*, RegClinPsych MNZPsS

Bruce Skinner, DipPsych *Waik.*, RegClinPsych

Marilize Slabber, MA RAU, RegClinPsych

Julie Williams, MA, PGDipClinPsych, RegClinPsych

Rody Withers, MA, PhD, PGDipClinPsych, RegClinPsych

Marie Young, MA, PGDipClinPsych, RegClinPsych

Professional Practice Field Supervisors

Jennifer Beckett, BA(Hons), MA, PGDipPsychPrac, RegPsych

Maria Berrett, MA, PGDipClinPsych, RegClinPsych, MNZPsS

Kate D'Anvers, MA, PGDipCBT, PGDipPsychPrac,

George Furstenburg, BA(Hons) *P.Elizabeth*, MA Pretoria, RegClinPsych

Kevin Garner, MA Vic., RegClinPsych

Jacqui Gregory, MSc, PGDipClinPsych, BAppSc

Frank Hayes, PGDip (Child Studies) Toronto

Mark Lombard, BA(Hons) RAU, MA, PhD *P.Elizabeth*

Steve Malcolm, MA, BHSc

Epenesa Olo-Wahaanga, PGDipClinPsych *Auck.*

Francis G. O'Connor, MSc *Cant.*

Diana M. Parsons, TTC, MA, RegClinPsych

Izelda Pelser, MEd, PhD *Pretoria*

Revathy Florence Shodavaram, MA Bangalore, MPhil Madras Uni, RegClinPsych

Business Services Manager

2013 Cara L. Thompson, BSc

Head of School Office Manager

2008 Hope E. Hyslop, BA

Programmer/Analyst

1984 Harvey S. Jones, BE *Cant.*, DipSocSci

Technicians

1992 Malcolm R. Loudon, BSc, GradDipArts, NZCE

1984 Hung T. Ton, BSc, NZCE

Wellington Campus

Professor of Neuropsychology

1987 Janet M. Leatham, MA, PhD *Well.*, RegClinPsych, MNZPsS, MICP, MNZCCPsych

Associate Professors

2002 Antonia C. Lyons, BA(Hons), PhD

1983 Keith F. Tuffin, MA, PhD, DipSocSc, DipTchg

Senior Lecturers

1994 Linda M. Jones, MA *Well.*, PhD, DipTchg, MNZPsS, MRSNZ

1999 Ruth A. Tarrant, MA *Well.*, PhD, DipTchg, ATCL, MNZPsS

2009 Ian de Terte, BBS, BA, MSc, PGDipClinPsych, CertCJP *Cant.*, RegClinPsych, MNZCCPsych

Kaimatai Hinengaro Matua: Māori Clinical Psychologist, Senior Lecturer

2012 Simon T Bennett, BSc, MSc, PhD, Ngāti Whakaue, Ngāti Wai, Ngāti Tahu

Lecturer

2012 Tatiana Tairi, BSc AUTH (Greece), PGCertPsychCouns, MSc, DPsych City (UK), CPsychol, AFBPsS, MNZPsS

Senior Tutor

2007 Ella Kahu, MA, PGDipEd *Well.*

Joint Centre for Disaster Research

Director and Professor of Disaster Management

2006 David Johnston, MSc *Cant.*, PhD, MInstD, MENHNZ

Associate Professor

2011 Sarbjit Johal, BSc Hull, PhD *Cardiff*, DCLinPsy *UCL*, CPsychol, MRSNZ, AFBPsS

Lecturer

2011 Denise Blake, MA, PhD, DipCouns *UCOL*

2012 Raj Prasanna, BScEng(Hons) *Moratuwa*, MBA *Sri Jay*, MSc IT *Colombo*, PhD *Lough.*, CEng(IT)

Postdoctoral Fellow

2010 Emma Hudson-Doyle, MGeophys (N.America) *Leeds*, MRes *Leeds*, PhD *Brist.*

2014 Sally Potter, BSc(Hons), PhD

Senior Research Officer

2013 Christine Kenney, DipOccT CIT, PGDip UoA., BM, BA(Hons), PhD, Ngāti Tahu, Te Ātiawa, Ngāti Toarangatira

Research Manager

2013 Jon Mitchell, BA *Otago*, PGDipEM, PGDipHuman/Political Geo

Honorary Research Associate

2007 Doug Paton, BSc(Hons) *St.And.*, PhD *Edin.*, CPsychol, AFBPsS

Research Associate

1999 Ruth A. Tarrant, MA *Well.*, PhD, DipTchg, ATCL, MNZPsS

Psychology Clinic

Clinic Director and Senior Lecturer

2010 Ruth A. Gammon, BA(Psych), MSW, PhD *Calif.*, RegClinPsych, MNZPsS, MNZCCPsych, MFTAANZ

Senior Professional Clinician

2014 Jemima J. Bullock, BA(Hons), MSocSc, PGDipPsych *Waik.*, MNZCCP

Clinical Field Supervisors

Robyn Alexander, MA *Well.*, RegClinPsych

Giselle Bahr, DipClinPsych *Well.*, RegClinPsych, MNZCCPsych

Clive Banks, MA, PGDipClinPsych, RegClinPsych, MNZCCPsych

Paula Fielden, PGDipClinPsych *Well.*, RegClinPsych, MNZCCPsych

Kathryn Fletcher, MEd, PGDipClin, *Cant.*, RegPsych

Ruth A. Gammon, BA(Psych), MSW, PhD *Calif.*, RegClinPsych, MNZPsS

Astrid Katzur, DipPsych *Berlin*, RegClinPsych, MNZCCPsych, MNZPsS

Kerstin Kramar, BSc(Hons) *Well.*, RegClinPsych, MNZCCPsych

Jenny Maley, PGDipClinPsych *Well.*, RegClinPsych, MNZCCPsych

Miriam Swanson, MSc, PGDipClinPsych *Well.*, RegClinPsych, MNZCCPsych

Vincent Waide, MSc, PGDipClinPsych *Otago*, RegClinPsych, MNZCCPsych

Rebecca Webster, MSc, PGDipClinPsych *Otago*, RegClinPsych, MNZCCPsych

Centre for Defence and Security Studies

Director

2013 Caroline Ziemke-Dickens, BA(Hons) UGA, MA IU, PhD *OSU*

Senior Lecturers

2013 William Hoverd, BCA *Well.*, MA *Well.*, PhD *Well.*

2011 Negar Partow, MA *LAUT*, MA, PhD *Well.*

2013 Anna Powles, MA *Well.*, PhD *ANU*

Lecturers

2013 Rhys Ball, BA *Auck.*, MSS *Well.*, PhD

2011 Danna Challies, BA, BSc(Hons), PhD *Well.*

2011 Terence Johanson, MMAS *US CGSC*

2013 Oiroa Kaihau, MPhil

2007 John Moremon, BA(Hons) *NE*, PhD *NSW*

2011 Philip Morrison, ONZM, BA *NSW*, PGCertMgmt *W.Aust.*

2005 Nick Nelson, BA(Hons), MMgt *UC.*

Honorary Teaching Associates

2011 Rachel Butler, BSc(Hons) *Liv.*, PGDip *Plym.*

2014 Theo Corfiatis, MSc *Well.*

2014 Nicholas Gilmour, PGCert UoW, MA UoW, ProfDoc UoP

2014 Mark Malan, BMil(Hons) *Stell.*, MMil *Stell.*

2014 Robert Nash, BSc RMC, MA RMC, MIntISy

2014 Steven Paget, MA, MLitt *StAnd*, PhD *ANU*

Research Mentor

Graeme Fraser, CNZM, MA, PhD *Miss.* (Professor Emeritus)

Ecological Economics Research New Zealand

Director, Associate Professor and Principal Ecological Economist

2009 Marjan van den Belt, MBA *Rotterdam*, PhD *Maryland*

Senior Researcher

1994 Vicky Forgie BA, MRP

College of Sciences

Institute of Fundamental Sciences

Head of Institute, Professor of Electrochemistry

1996 Simon B. Hall, MSc, PhD *Auck.*, FNZIC, CChem, FRSC

Manawatū Campus

Distinguished Professor of Theoretical Biology

1966 David Penny, BSc(Hons) *NZ*, PhD *Yale*, FRSNZ, CNZM

Professor in Applied Mathematics

1994 Robert I. McLachlan, BSc(Hons) *Cant.*, PhD *Caltech*, FNZMS, FRSNZ

Professor in Computational Mathematics

1996 Igor Boglaev, MSc, PhD, DSc *Moscow*, FNZMS

Professor in Geostatistics

1994 Mark Bebbington, MSc *Well.*, PhD *Camb.*

Professor of Microbiology

2003 Bernd H.A. Rehm, MSc, PhD *Bochum*

Professor of Molecular Evolution

1996 Peter J. Lockhart, BSc(Hons), PhD *Syd.*, FRSNZ

Professor of Molecular Genetics

1985 D. Barry Scott, BSc(Hons), PhD *Otago*, FRSNZ

Professor of Physics

1990 Anthony I. Signal, BSc(Hons), PhD *Adel.*, FNZIC

Professor of Plant Physiology

1995 Michael T. McManus, BSc(Hons) *Well.*, MA, DPhil *Oxf.*

Professor of Separation Science

1973 David R. K. Harding, BSc(Hons) *Cant.*, PhD *Uni West Ont.*, MNZIC

Professor in Structural Chemistry and Biology

1994 Geoffrey B. Jameson, BSc(Hons), PhD *Cant.*, FNZIC, FRSNZ

Professors of Statistics

2006 Martin L. Hazelton, MA, DPhil *Oxf.*

1994 Stephen J. Haslett, BA, BSc *Otago*, BSc(Hons), PhD *Well.*, CStat, FSS

1979 Chin Diew Lai, MSc *Auck.*, PhD *Well.*

Associate Professors

1971 Eric W. Ainscough, BSc(Hons), PhD *Qld.*, FNZIC

1991 Rosemary E. Bradshaw, BSc(Hons) *Lancs.*, PhD *Notts.*

2010 Murray P. Cox, BSc(Hons), PhD *Otago*

1997 Geoff Jones, BA(Hons) *Oxf.*, MSc *Sheff.*, PhD *Calif.*

2004 Paul G. Plieger, BSc(Hons), PhD *Otago*, FNZIC, MRSC, MRSNZ

2003 Jasna Rakonjac, MSc *Belgrade*, PhD *Rockefeller*

2006 Gareth J. Rowlands, BSc(Hons), PhD *Imperial*, FNZIC

1993 Kathryn M. Stowell, BSc(Hons), PhD

2006 Shane G. Telfer, BSc(Hons), PhD *Cant.*, MNZIC

1991 Bruce van-Brunt, BSc(Eng) *Gonz.*, BSc(Math) *Bem.*, DPhil *Oxf.*, EIT US, GIMA UK

2003 Mark R. Waterland, BSc(Hons), PhD *Otago*, FNZIC

2003 Martin A. K. Williams, BSc(Hons) *Leeds*, PhD *Open (UK)*, CPhys, MInstP FNZIC

Senior Lecturers

1968 Geoffrey R. G. Barnes, BSc(Hons) *Well.*, PhD, MPSNZ, MNZIP

2004 Fu-Guang Cao, MSc Jilin, *China*, PhD *Beijing*

2007 Paul P. Dijkwel, MSc, PhD *Utrecht*

2006 Viatcheslav V. Filitchev, MSc, PhD *St Petersburg*, MNZIC

1995 Raj Govindaraju, MSc, PhD *Madr.*

2009 Tracy K. Hale, BSc, MSc, PhD *ANU*

2003 Zoe Jordens, BSc(Hons) *Lond.*, PhD *Lon.Med.*

2002 Thomasin A. Lynch, BSc(Hons) *New Mexico*, SecTchgCert *Texas*, MSc, PhD

1985 Gillian E. Norris, MSc, PhD, DipBusAdmin,

2009 Jeong H. Park, BAgrSc *Korea*, MSc *Korea*, PhD *Rutgers*

1992 Mark L. Patchett, MSc, DPhil *Waik.*, MNZIC MRSNZ

1992 Jan Schmid, DipBiol, PhD *Hanover*

1981 Doug Stirling, BSc(Hons), MSc *St And.*, PhD

2003 Andrew J. Sutherland-Smith, BSc(Hons), PhD

2006 Vaughan V. Symonds, MA *Calf.*, PhD *Texas*

2006 Jennifer A. Tate, BS *Illinois*, PhD *Texas*, *FLS*

2007 Christopher Tuffley, MSc *Cant.*, PhD *Berk.*

2014 Matthieu Vignes, MSc Claude Bernard, PhD *Joseph Fourier*

Lecturers

2013 Richard Brown, BE(Hons), PhD *Cant.*

2010 Helen Fitzsimons, MSc, PhD *Auck.*

2003 Jonathan Godfrey, MInfSc, PhD

2012 Elena Harjes, PhD *Dortmund*

2012 Christopher Jewell, BSc(Hons) *Liv.*, BVSc *Liv.*, MSc PhD *Lanc.*

2009 Jonathan Marshall, BInfSc(Hons), PhD

2012 David Simpson, MSc *Auck.*, PhD *Colorado*

2010 Claudia Voelckel, PhD *Jena*

2013 David Wheeler, BSc(Hons), PhD *Adel.*

Research Fellow

2012 Carla Eaton, BSc(Hons), PhD

Teaching Fellow

1974 Trevor M. Kitson, MA, DPhil *Oxf.*, DSc, FNZIC

Senior Research Officer

1996 Patrick J.B. Edwards, BSc(Hons), PhD *Leeds*

Research Officers

2014 Allan Raudsepp, MSc, PhD *Well.*

2011 Anja Schiemann, PhD

Senior Tutors

2013 Rosemary Brown, BSc(Hons), PhD

2006 Christine Burr, BSc, DipTchg

1997 Adrian C. Jull, MSc, TCDip, DipTchg

2009 Debbie Leader, MSc, PGDipSc, PhD *Auck.*

2004 Karen Lyons, MSc, PhD *Auck.*

2007 Rose Motion, BSc(Hons), PhD

2012 Cameron Sawyer, MA, PhD *North Texas*, PGDipTeaching *Texas State*

1999 Paul A. Stock, MSc *Waik.*

Tutors

2013 Stephen A. J. Keen, MSc *Sheff.*, PhD *Glas.*, GDipTchg

2012 J. Anne Lawrence, MEdStud

Postdoctoral Fellows

2012 Armando Amaris, PhD

2012 Yvonne Becker, PhD

2014 Matthew Campbell, PhD

2012 Pierre-Yves Dupont, PhD

2013 Florin Iliescu, PhD

2013 Krishanthi Jayasundera, PhD

2012 Rob Ward, PhD

2012 Haizhen Wu, PhD

2014 Hui Yang, PhD

Graduate Assistant

2014 Mr Amir H. Irani

Adjunct Professor

2010 Derek White, BSc(Hons) *Well.*, PhD *Florida*

Professorial Research Fellow

2008 Warren M. Williams, BSc *Well.*, MSc *Well.*, PhD *Wisc.*

Honorary Research Fellows

Leonard F. Blackwell, MSc *NZ*, PhD *Cant.*

R.D. Bruce Fraser, BSc(Hons) *King's College*, PhD *Lond.*, DSc *Lond.*, FAA

Gavin R. Hedwig, BSc(Hons), PhD *Cant.*, FNZIC

Michael D. Hendy, MSc, PhD *New Eng.*, FTICA, FRSNZ

Charles H.C. Little, MSc *Tor.*, PhD *Wat.*, DSc, FTICA *Canada*, FNZMS, FAustMS, MRSNZ

Kee L. Teo, BSc, *Nan.*, MSc, PhD *Saskatchewan*

Honorary Research Associates

Matthias Becker, MSc, PhD *Munster*

Tetsuya Chujo, PhD *Tokyo*

Michael Collett, BSc(Hons) *Cant.*, PhD

James Dekker, BSc(Hons), PhD *ANU*

Siva Ganesh, BSc(Hons) *Jaffna*, MSc, PhD *R'dg*

Barbara R. Holland, BSc, BInfSc(Hons), PhD

Richard J. Isaacs, MBChB *Auck.*, DPhil *Exe.*, FRACP

Richard Johnson, PhD *E.Anglia*

Linda Johnson, MSc *West Virginia*

Roger Kissling, MSc *Auck.*

John McKinnon, MSc *Auck.*, PhD *Princeton*

Catherine L. Nicholson, BSc(Hons), PhD *Aberd.*, MPhil

Carolyn A. Young, MSc, PhD

Business Manager

2014 Catherine Norman, BBS, DipBusStuds, NZCS

Health, Safety and Compliance Manager

2013 Natisha Magan, MSc, PhD

Facilities and Services Manager

1971 Andrew A. Trow, NZCS, GradDipOSH

Technical Manager (Teaching Technicians)

1987 Christopher A. Burrows, BSc(Hons) *Cant.*

Manawatū Microscopy and Imaging Centre

Director

2013 Matthew Savoian, BSc(Hons) *UCI*, PhD *SUNY*

Massey Genome Service

Director

2007 Paul Dijkwel, MSc, PhD *Utrecht*

Nuclear Magnetic Resonance Facilities

Director

1996 Patrick J.B. Edwards, BSc(Hons), PhD *Leeds*

Institute of Natural & Mathematical Sciences

Head of Institute and Distinguished Professor

2004 Gaven Martin, BSc(Hons), MSc, PhD *Michigan*, FRSNZ FAMS, FNZMS

Professors

2009 Marti J. Anderson, BA (magna cum laude) *Occidental*, GradDipSCI, MA, PhD *Syd.*, FRSNZ

2004 D. H. Brunton, MSc *Auck.*, PhD *Mich.*

1991 Robert McKibbin, MSc *Cant.*, PhD *Auck.*, FNZMS, MRSNZ

1996 Alastair J Nielson, MSc, PhD *Auck.*, FNZIC, FRSC

2008 D. Raubenheimer, MSc *Cape Town*, DPhil *Oxf.*

2003 Mick Roberts, BSc *Brist.*, MSc *Cran.*, PhD *Well.*, CMath, FIMA, FRSNZ

1983 Joyce M. Waters, MSc, PhD *NZ*, FRSNZ, FNZIC

Associate Professors

2004 Ian Bond, MSc, PhD *Auck.*

1995 Shaun Cooper, MSc *Auck.*, PhD *Wisc.*

1993 John A. Harrison, BSc(Hons), PhD *Cant.*, FNZIC, ACS

2002 Carlo Laing, MSc *Auck.*, PhD *Camb.*

1994 Chris Scogings, MSc *Natal*, PhD, MIEET, MBCS, MACM, MSAICS

Senior Lecturers

2002 Andre Barczak, BEng/MEng *Unicamp*, PhD

2005 Alona Ben-Tal, MSc *Technion*, PhD *Auck.*

2006 Patrick O. Bowman, BSc(Hons), PhD *Adel.*

1999 Elena Calude, MEd *Buch.*, PhD *Auck.*

2010 James Dale, PhD *Cornell*

1979 Howard Edwards, BSc(Hons), MSc, *Auck.*, PhD *Cant.*

2007 Austen R. D. Ganley, BSc(Hons), PhD

1996 Martin Johnson, BSc(Hons), PhD *York (UK)*

2004 Beatrix Jones, BSc *John Hopkins*, MSc, PhD *Washington*

2005 W. Ji, MSc *Lanzhou*, PhD *Auck.*

1994 Barry McDonald, MSc *Auck.*, PhD *La Trobe*.

2005 Napoleon Ryes, BSc, MSc, PhD *Manila*

2005 Evelyn Sattlegger, MSc, PhD *Hanover*

2009 Karen Stockin, MSc *Aberd.*, PhD

2002 Winston Sweatman, BA(Hons) *Oxf.*, PhD *Edin.*, PGCertTLHE *Edin. Napier*

2007 Xue-Xian Zhang, PhD *Wuhan*

Lecturers

2014 David Aguirre, MSc *Well.*; PhD *Bris.*

2012 Jane Allison, BSc(Hons) *Cant.*, PhD *Camb.*

2010 Andrew Gilman, BE(Hons), PhD, MIEEE

2013 Heather Hendrickson, BSc *Utah*, PhD *Pittsburgh*

2014 Arno Leist, DiplInf (FH), PGDipInfSc, PhD

2010 Elke Pahl, DiplChem, MSc (equiv.), Dr. rer. nat. (PhD)

2009 Mat Pawley, BSc, MSc, PhD, *Auck.*

2011 Daniel Playne, BSc(Hons), PhD

2012 Sebastian Schmeier, BSc, MSc FU (Berlin), MSc *W.Cape*

2013 Adam Smith, BSc, PGDipSci *Cant.*, MSc *Auck.*

2014 Daniel Thomas, BSc, PhD, *Otago*.

2004 Daniel Walsh, BSc *Auck.*, MSc, PhD *Washington*

2014 Wignall, Anne, BSc(Hons), PhD *Macquarie*

Senior Tutors

2011 Gayle Ferguson, BSc(Hons), PhD *Cant.*, PGCertTLHE *Manc.*

2011 Marilou Raduban, BSc, MSc *Phillipines*, PhD, GradUAdvStudies *Japan*

2000 Gabi Schmidt-Adam, DipBiol, *Berlin*, PhD *Auck.*

2000 Ursula Scogings, BSc(Hons), MSc, HDE *Natal*

2000 Marie-Anne Thelen, DiplChem, PhD *Zurich*

1995 Yow-Tzong Yeh, MSc, PhD *Monash*

Tutors

2014 Annalisa Conversano, MSC Pisa, PhD *Siena*

2014 Deborah Jordan, BSc(Hons) PhD *Otago*

2006 Monika Merriman, BSc *Oklahoma*, MSc

2004 Heung Yeung (Frederick) Lam, MInfSc, PhD

Honorary Research Fellow

1998 Sir Neil Waters, MSc, PhD *NZ*, DSc *Auck.*, Hon DSc *East Asia*, HonDLitt, FNZIC, FRSNZ

Research Officer

2010 Manuela Barry, DiplBiol, MSc (equiv) *Mainz*, PhD *Auck.*

Postdoctoral Fellows

2010 Michael Anderson, MSc *Auck.*, PhD

2011 Peter Deines, PhD

2010 Oleksandr Fialko, PhD

2013 Emily Harvey, PhD *UOA*

2011 Elizabeth Laman Trip, PhD

2013 Joe Ling, PhD

2011 Kevin Parker, BPRTM *Lincoln*, MSc *Auck.*, PhD

Technical Staff

2013 Natasha Comer

2011 Mark Delaney

2014 Jessica Hiscox

2010 Margaret Peace, MSc *Auck.*

2009 Yan Wang, BSc, MSc *HeBei*, MSc *Auck.*

2004 Jarod Young, BSc *Auck.*

Centre for Data Mining

Director

1994 Barry McDonald, MSc *Auck.*, PhD *La Trobe*.

Centre for Mathematics in Industry

Director

2002 Winston Sweatman, BA(Hons) *Oxf.*, PhD *Edin.*, PGCertTLHE *Edin.*

Centre for Parallel Computing

Director

2000 Martin Johnson, BSc(Hons), PhD *York (UK)*

Institute of Agriculture and Environment

Head of Institute and Professor of Pasture Science

1985 Peter D. Kemp, MScAgr *Syd.*, PhD *NE*

Manawatū Campus

Professor in Zoology

1991 Murray A. Potter, MSc *Auck.*, PhD

Professor in Conservation Biology

1993 Doug P. Armstrong, MSc *UBC*, PhD *Syd.*

Professor in Entomology

1995 Qiao Wang, MSc *Southwest*, PhD *La Trobe*

Professor of Farm Business Management

1996 Nicola M. Shadbolt, BSc *Nott.*, MAgriSc *Linc.* FNZIPIIM (Reg)

Professor in Geostatistics

1994 Mark Bebbington, BSc(Hons), MSc *Well.*, PhD *Camb.*

Professor of Fluvial Geomorphology

2013 Mark Macklin, BSc(Hons), PhD *Wales*

Professor of Grassland Science

2009 Anthony J. Parsons, BSc(Hons) *Lond.*, PhD *Reading*

Professor of Grassland Technology

2013 Susanne Rasmussen, BSc *Kiel*, PhD *Kiel*

Professor of Precision Agriculture

1997 Ian J. Yule, MSc, PhD *N'cle (UK)*, CEng

Professor of Soil Science

1983 Mike J. Hedley, BSc(Hons) *Leeds*, PhD

Professorial Research Fellow in Environmental Sciences

2007 Surinder K. Saggarr, JP, MSc *India*, PhD *Canada*, CPAG, FNZSSS, FNZIAHS

Professorial Research Fellow in Plant Breeding

2008 Warren Williams, MSc *Well.*, PhD *Wisc.*

Associate Professors

2009 Marta Camps, BAgEng(Hons) *Politecatal.*, MSc, PhD *UC Davis*

1993 Russel G. Death, BSc(Hons), PhD *Cant.*

1994 John D. Holland, BA(Hons) *Cape Town*, MA *UNISA*, DipTh, MTh SATS, PhD *Natal*.

1985 David J. Horne, BSc(Hons) *Cant.*, PhD

1984 Cory Matthew, BAgSci(Hons), PhD

2013 Blessing Maumbe, BS(Hons) *Z'bwé.*, MS *TanzI*, PhD *Mich.*

2010 Sarah McLaren, MSc, PhD *Surrey*.

2003 Mary Morgan-Richards, BSc(Hons), PhD *Well.*

1992 Alastair W. Robertson, BSc(Hons) *Otago*, PhD *Cant.*

1978 Robert B. Stewart, MSc *Cant.*, PhD

2003 Steven Trewick, BSc(Hons) *Lough.*, PhD *Well.*

Senior Lecturers

2009 Chris W. N. Anderson, BSc(Hons), PhD

1981 Warren J. Anderson, MAgSc

2007 Phil F. Battley, MSc, PhD *Griff.*

2013 Miguel Brandao, BSc *Aber.*, MSc *As.*, PhD *Guil.*

2003 Isabel Castro, BSc *Andes*, MSc *Eastern Illinois*, PhD

2004 Elena Garnevska, MSc *Sofia*, PhD *Bourne*.

1982 David I. Gray, MAgriSc, PhD

2003 Ian C. Fuller, BSc(Hons), PhD *Wales*, PGCUTL *Northumbria*

1983 Kerry C. Harrington, MAgriSc, PhD

1986 Ian M. Henderson, BSc(Hons), PhD *Well.*

2003 Mike K. Joy, MSc, PhD

2003 Maria A. Minor, MSc *MSU Moscow*, PhD *SUNY-ESF, Syracuse*

1981 Marion B. MacKay, BHortSc(Hons), PhD

2006 Jean K. Margerison, BSc(Hons), PhD *Wales*, PGCE LTHE *Plym.*

1988 James P. Millner, MAgriSc, PhD

1984 Alan S. Palmer, BSc(Hons), PhD *Well.*

1985 Gillian L. Rapson, BSc(Hons), PhD *Otago*

1992 Janet I. Reid, MAgriSc, PhD

2000 Nick Roskrige, JP, BHort(Hons), PhD

2009 Ranvir Singh, MTech *CCSH Ag*, PhD *Wagen*.

1982 Terry M. Stewart, PhD, GradDipInfSc

1981 Mike P. Tuohy, BSc, MPhil, DipAgrSc

2010 Jason J. Wargent, BSc(Hons) *Northampton*, MSc *Plym.*, PhD *Lanc.*, PGCert *Lanc.*

2013 Georg Zellmer, MA *Camb.*, PhD *Open (UK)*.

Lecturers

2012 Alastair Clement, BBS, BSc(Hons), PhD

2008 Katherine A. Holt, BSc(Hons), PhD

2013 Huub Kerckhoffs, MSc, PhD *Wageningen*.

1993 Julie A. Palmer, BSc(Hons), MSc *Well.*

2012 Sam McColl, BSc(Hons) *Well.*, PhD *Cant.*

1993 Ross C. Wallace, MSc *Otago*, PhD

Senior Tutors

2011 Tom Phillips, CPAG, BAgriSc, MAgriSc *Melb.*

1990 Robert C. Southward, MHortSc

1992 Peter R. van Essen, MSc

Senior Research Officers

2013 Lucy Burkitt, BAgSc(Hons) *La Trobe*, PhD *La Trobe*

2011 A. Liz Dooley, BAgriSc(Hons), MAppSci, PhD

2007 Gert Lube, DiplGeol *U.Greifswald*, PhD *CAU Keil*

2005 Karoly Nemeth, MSc *Eotvos*, PhD *Dun.*

2006 Jonathan N. Procter, DipTchg, BEd, BSc, PhD

Research Officers

2013 Mike R. Bretherton, BSc(Hons), PhD

2012 Roberto Calvelo-Pereira, BSc, PhD *Santiago De Compostela*

2008 Christine L. Christensen, BAppSci(Hons), PhD

2013 Miles Grafton, BHort(Hons), PhD

1996 James A. Hanly, MAppSci, PhD

2005 Xiong Zhao He, MAppSci, PhD

2014 Jeya Jeyakumar, BSc(Hons), MPhil, PhD

1986 Craig McGill, MAppSci

2012 Rajasheker Pullanagari, BSc, MSc, PhD

Junior Research Officers

2013 DJ, Apparao, MAgriCom, MS DSci, BVSc & AH

2013 Jay Howes, BAgriSc(Hons)

Research Fellow

2013 Kee Sohn, MSc *Korea*, PhD *E.England*

Honorary Research Associates

John A. D. Anderson, PhD (Plant and Food, Pukekohe)

D. Butler, BA(Hons) *Oxf.*, PhD *Aberd.*

Hamish Campbell, PhD (GNS)

Brent Clothier, PhD (Plant and Food)

Phil E. Cowan, BSc(Hons) *Glasg.*, PhD *ANU*

Grant B. Douglas, PhD, (AgResearch, PN)

Marty J. Faville, PhD, (AgResearch, PN)

Ian B. Ferguson, PhD, (Plant and Food, Auckland)

Keith A. Funnell, BHortSc(Hons), PhD

Art Jolly, (GNS Science), PhD

Pilar Villamor, (GNS Science), PhD

Assoc. Professor Sing Kong Lee, (NanTech.)

Don S. Loch, PhD, (Dept Primary Industries, *Qld.*)

Alec D. Mackay, PhD, (AgResearch, PN)

Ian McIvor, PhD, (Plant and Food, PN)

John A. McLennan, BAgriSc(Hons) *Linc.*, PhD *Aber.*

Chris F. Mercer, PhD, (Retired)

Mr Ed Morgan, (Plant & Food, PN)

Paul C. D. Newton, PhD, (AgResearch, PN)

Heather A. Outred, MSc *Auck.*, PhD *Auck.*

Craig Ross, PhD, (Landcare, PN)

Professor Jacqueline S. Rowarth, CNZM, BAgriSc(Hons), PhD, CRSNZ, FNZIAS, HNZIAS

Richard Seaton, (PN), BSc(Hons) *Manc.*, MSc *Manc.Met.*, PhD

Associate Professor Ian Smith, (University of Auckland) PhD *ANU*

Ben Van Hooijdonk, PhD, (Plant and Food)

Mr R. N. Watson,

David J. Woolley, BSc *Nott.*, PhD *Wales*

Postdoctoral Fellow

2013 Cecile Segonzac, MSc Paris XI, PhD SupAgro-M

Senior Technical Manager

1973 Lance D. Currie, NZCS, DipBusStuds

Technical Managers

1989 D. Paul Barrett, MSc

1988 Mark A. Osborne, BAgSc

Manager, Plant Growth Unit

2003 Steven D. Ray, BA

Centre of Excellence in Farm Business Management

Director

1996 Nicola M. Shadbolt, BSc *Nott.*, MAgSc *Linc.*, FNZIPIIM (Reg), DipBusStud

Fertilizer and Lime Research Centre

Director

1983 Michael J. Hedley, BSc(Hons) *Leeds*, PhD

New Zealand Centre for Biochar Research

Co-Director

2009 Marta Camps, BAgEng(Hons) *PolitdeCatal.*, MSc, PhD *UC Davis*

New Zealand Centre for Life Cycle Management

Director

2010 Sarah McLaren, MSc, PhD *Surrey*

New Zealand Centre for Precision Agriculture

Director

1997 Ian J. Yule, MSc, PhD *N'cle (UK)*, C.Eng

Institute of Veterinary, Animal and Biomedical Sciences

Head of Institute

2003 Frazer J. Allan, BVSc, NZCVS PhD, PGDipBusAdmin

Professors

1976 Hugh T. Blair, BAgSc(Hons), PhD

2012 Tim Carpenter, BA UCLA, MS UC Davis, PhD *UC Davis*

1989 John F. Cockrem, BSc(Hons), PhD *Brist.*

2009 Peter S. Davie, BSc(Hons), PhD *Cant.*

2012 Danny J. Donaghy, BAgSci(Hons), PhD *NE*

2004 Nigel P. French, BVSc, MSc, PhD *Brist.*, DLSHTM, MRCVS

2001 Cord Heuer, DVM *Germany*, MSc *Canada*, PhD *The Netherlands*

2001 Craig B. Johnson, BVSc *Liv.*, PhD *Cant.*, DVA, DipECVA, MRCA, MRCVS

1999 Paul R. Kenyon, BAgSc, MAppSc, PhD

1999 Nicolas Lopez-Villalobos, BAgSc, MAgSc, PhD

2006 Ian G. (Joe) Mayhew, BVSc, PhD *Cornell*, DSc

1988 David J. Mellor, ONZM, BSc(Hons) *NE.*, PhD *Edin.*, HonAssocRCVS *Lond.*

1991 Patrick C.H. Morel, IngAgrDipl, DrScTech *Zur.*

1980 Stephen T. Morris, BAgSc, MAgSc, PhD

1997 Tim J. Parkinson, BVSc *Brist.*, DBR *Liv.*, PhD *Nott.*, DipECAR, FRVS

1982 William E. Pomroy, BVSc(Hons), DipVetClinStud *Syd.*, PhD

1998 Velmurugu Ravindran, BAgSc(Hons), MSc, PhD *Virginia Tech.*

2013 Chris B. Riley, BSc, BVSc(Hons), MSc, PhD *Saskatchewan*, *DipACVS*

1976 Heather V. Simpson, BSc(Hons) *Qld.*, PhD

1990 Kevin J. Stafford, MVB *Dub.*, MSc *Edin.*, PhD *NUI*, MRCVS, MACVSc

1989 Keith G. Thompson, BVSc, PhD, DipACVP

A. L. Rae Chair in Animal Breeding and Genetics

1988 Dorian J. Garrick, BAgSc(Hons), PhD *C'nell*

Personal Chair in Deer Health and Production

1978 Peter R. Wilson, BVSc, PhD, MACVSc

Associate Professors

2010 Jonathan Bray, BVSc, MVSc, MSc, RCVS

2002 Brett Gartrell, BVSc(Hons) *Syd.*, PhD *Tas.*, MACVSc

2005 Richard Laven, BVetMed, PhD *Lond.*, MRCVS

2004 John S. Munday, BVSc, PhD, DipACVP

1987 Alan Murray, BSc(Hons), PhD *S'ton*

2015 Allison Stewart, BVSc(Hons), MS, DipACVECC, DipACVP

Senior Lecturers

2009 Els Acke, DVM *Ghent*, PhD *Uppsala*

2011 Penny J. Back, BAgriSc, MAgrSc, PhD

2007 Ngaio J. Beausoliel, BSc *Br.Col.*, PhD

2007 Jackie Benschop, BVSc, PhD

2011 Patrick J. Biggs, BSc(Hons), PhD

2001 Jennifer L. Burke, BAgSc, MAppSc, PhD

2015 Fernanda Castillo Alcalá, DVM, PhD *Guelph*, DipACVP

2004 Nick Cave, BVSc, MVSc, PhD *UC Davis*, DipACVIM

1996 Paul Chambers, BVSc, PhD *Brist.*, DVA, MRCVS, MRCA

2014 Kyle Clark, BVSc, MVSc, DipACVS

2007 Naomi Cogger, BSc(Hons), PhD *Syd.*

2013 G. Robert (Bob) Colborne, BSc(Hons), PhD *Queens*

1995 Mark G. Collett, BVSc, MMedVet(Path), DTE, MEd(CAI) *Pret.*, MRCVS

2009 Keren E. Dittmer, BVSc, PhD

2008 Magda Dunowska, BVSc *Warsaw*, PhD

2014 Gareth Fitch, BVetMed, MS, DipACVS, MRCVS

1990 Sandra F. Forsyth, BVSc, DipACVA

2014 Gareth Fitch, BVetMed, MS, DipACVS, MRCVS

2001 Erica Gee, BVSc, PhD

2008 Stuart J.G. Gordon BSc *Natal*, BVSc *Zimb.*

2013 Ronald W. Green, BSc, DVM, MSc

2001 Alex Grinberg, DVM *Naples*, PhD

2014 David T.S. Hayman, BVSc, MSc, PhD *Camb.*

2007 Rebecca Hickson, BBS, BSc(Hons), PhD

2006 Laryssa J. Howe, BSc, PhD *Pittsburgh*

2009 Stuart Hunter, BVSc, DiplACVP

2000 Eloise K. P. Jillings, BVSc

2005 Kevin Lawrence, BVetMed *Lond.*, DipBovineRepro *Liv.*, MRCVS

2014 Joanna McKenzie, BVSc, PhD

2007 Kerri J. Morgan, BVSc, PhD

2001 Elizabeth J. Norman, BVSc *Syd.*, MVM, MRCVS, MACVSc

2008 Sarah J. Pain, B.Biotech, BAg(Hons), PhD *Adel.*

2012 Luca Panizzi, DVM, MVS

1993 Kathleen H. Parton, BS *Kansas*, DVM *Kansas*, MS *Arizona*

2008 Matthew R.F. Perrott, BVSc, PhD

1978 Samuel W. Peterson, MAgSc, PhD

2011 Anne L. Ridler, BVSc, PhD, DipACVS, MACVS, DipECSRHM

1999 Wendi D. Roe, BSc *Waik.*, BVSc, MACVSc, DipACVP, PhD

2000 Chris W. Rogers, BSc, MAgrSci, PhD

2013 Hiroki Sano, BVSc, DipACVA

2008 Nicola M. Schreurs, BAppSc(Hons), PhD

1999 Ian Scott, BVMS *Glas.*, PhD *Glas.*

2008 Hayley E. Squance, BAppSc *Q'land*

2002 David G. Thomas, BSc(Hons), PhD *Lond.*

1996 Vicki P. Walsh, BVSc, MACVSc

2000 Timothy J. Wester, BS, MD, PhD *Nebraska*

2001 Jennifer F. Weston, BVSc, BPhil, PhD

2014 Janelle Wierenga, BSc, DVM, MPH, DipACVECC

2000 Andrew J. Worth, BVSc, MACVS

Senior Practising Veterinarians

2014 Roberto Aguilar, DVM, ECZM

2014 Steven J. De Grey, BSc, BVSc

2009 Alison Harland, BVSc

- 2013 Kerrie A. Lewis, BSc(Hons), MVSc
 2014 Thomas Odom, BSc, DVM
 2014 Nicola Smith, BAppSc, BVSc, MANCVSC
 2006 Stefan Smith, BVSc
 2003 Alan Thatcher, BVSc

Lecturers

- 2011 Dani Aberdein, LLB(Hons), BVSc, MVSc
 2012 Charlotte F. Bolwell, MSc, PhD
 2007 Rao Dukkipati, BVSc, MVSc *India*, PhD
 2011 Michael A. Giesege, BSc(Hons), BVSc, PhD *Otago*
 2015 Kate Griffiths, BVSc
 2011 Anna Kendall, DVM
 2009 Kavitha Kongara, BVSc *India*, MVSc *India*, PhD
 2007 Linda J. Laven, BVSc(Hons) *Lond.*
 2012 Robert K. Sawicki, BVSc
 2012 Preet M. Singh, BVSc, MVSc, PhD
 2009 Brett Smith, BAppSc *Qld.*
 2008 Rachael B. Stratton, BVSc

Practicing Veterinarians

- 2013 Cristin Dwyer, BSc, BVSc
 2005 Richard Kuipers von Lande, BVSc, CertVR, CertSAS, MRCVS, MACVSc
 2011 Kevanne McGlade, BA, BVSc
 2011 Helen Orbell, BSc(Hons), BVSc, DipACVS
 2012 Paul F. Wightman, BVSc

Senior Tutor

- 1987 Nicola Moffatt, Dip. College of Radiographers *London*

Interns

- 2014 Ralph Edwards, BA, BVSc
 2014 Meaghan Grundy, BSc, BVSc
 2014 Rachel Procter, BSc, BVSc
 2014 Tjarda Reints Bok, BVSc
 2014 Joonbum Seo, BVSc
 2014 Laura Thornton, BVM
 2014 Judith Visser, BVSc
 2014 Corinne Wigfall, BVSc

Residents

- 2012 Christa Bodaan, BSc, BVSc, MVM
 2012 Katherine Crosse, BVSc
 2013 Sarah A. Hill, BVSc
 2005 Frederik E. T. Pauwels, DVM(Hons) *Belgium*, DipACVS

Adjunct Professors

- Bryce M. Buddle (Infectious Diseases)
 Steve C. Hathaway (Food Safety)
 Eric Hillerton (Dairy Production)
 Stuart C. MacDiarmid (Veterinary Biosecurity)
 C. Wayne McIlwraith (Veterinary Surgery)
 Garry C. Waghorn (Dairy Production)
 P Eckhard Witten (Aquaculture)

Adjunct Associate Professors

- Adrian Cookson (Rumen Microbiology)
 Scott McDougall (Dairy Cattle Theriogenology)
 Eric Neumann (Pig Medicine)
 Tony Pernthaner (Immunology & Parasitology)
 Ian Sutherland (Immunology & Parasitology)
 Christine Thomson (Clinical Neurology)

Adjunct Senior Lecturers

- Peter Bennett (Canine and Feline Oncology)
 Warrick Bruce (Veterinary Surgery)
 Mark Bryan (Dairy Cattle Medicine)
 Steve Crow (Oncology)

- Ian Dacre (Animal Disaster Management)
 Angus Fechny (Dentistry)
 Mark Ferguson (Sheep Production)
 Pru E. J. Galloway (Feline Medicine)
 David W. Hanlon (Equine Reproduction)
 Alex Heiser (Immunology)
 Craig Irving (Ophthalmology)
 Richard Jerram (Animal Emergency Surgery)

Adjunct Lecturers

- Lisa Argilla (Zoo Animals & Wildlife Health)
 Andrew Bailey (Veterinary Medicine)
 Bill Bishop (Equine Surgery)
 Seton Butler (Veterinary Medicine)
 Jenni J. Donald (Clinical Pathology)
 Margaret J. Evans (Equine Endocrinology & Equine Reproduction)
 Lisa Ferguson (Animal Emergency Studies)
 Robyn Gear (Small Animal Medicine)
 Chris Hutchings (Dairy Studies)
 Amanda Illston (Veterinary Science)
 Krispin Kannan (Veterinary Medicine)
 Finley Koolhoven (Veterinary Medicine)
 Baukje Lenting (Zoo Animals & Wildlife Health)
 Margaret Leyland (Equine Studies)
 Petra Muellner (Epidemiology)
 Geoff Orbell (Pathology)
 Hamish Ranken (Equine Studies)
 Andrea M. Ritmeester (Equine Studies)
 Lucy Russell (Equine Studies)
 Andrew Scott (Equine Studies)
 Shalsee Vigeant (Veterinary Science)
 Virginia Williams (Animal Welfare)
 Anthony Wong (Veterinary Science)

Honorary Teaching Fellows

- Maurice R. Alley, BVSc *Syd.*, PhD
 David E. Clarke, BVSc *Qld.*, MACVSc Fellow, AM.AcadVetDert
 Alexander S. Davies, BVSc *Qld.*, PhD *Edin.*, DrMedVet *Hann.*

Honorary Professors

- 1985 Tom N. Barry, BSc(Hons), PhD *N'cle (UK)*, DSc
 1975 A. Neil Bruere, DVSc *Syd.*, PhD *Glas.*, MRCVS, FACVSc
 1964 W. A. (Tony) Charleston, BVSc(Hons), PhD *Brist.*, MRCVS, MACVSc
 1963 E.Des Fielden, BAgSc NZ, BVSc *Syd.*, FRCVS, FACVSc
 1988 Elwyn C. Firth, BVSc, MS *Kentucky*, PhD *Utrecht*, DipACVS, DSc
 1965 Roger D. Jolly, BVSc, PhD *Syd.*, DSc, DipACVP(Hon), FACVSc(Hon), FRCPA(Hon), FRSNZ
 1986 Roger S. Morris, BVSc *Syd.*, MVSc *Melb.*, PhD *R'dg.*, FACVSc, FAmerCE, FRSNZ
 1966 Colin W. Holmes, BAg *Belf.*, PhD *Belf.*
 1974 Dave M. West, BVSc, PhD, FACVSc
 1989 Norman B. Williamson, MVSc *Melb.*, MACVSc, DipACT

Research Officers

- 2014 Louise Chilvers, BAgriSci(Hons), PhD *Townsville*
 2012 Rene A. Corner, BSc, MVS, PhD
 2012 Gina deNicolo, BSc(Hons), PhD
 2014 Graeme R. Finlayson, BSc(Hons), PhD *Syd.*
 2009 Neil R. Marshall, BVSc
 2014 Hayley Pearson, BAVBio, PhD *Syd.*
 2014 Jimena Yapura, DVM, MSc, PhD *Saskatchewan*

PostDoctoral Fellow

- 2012 Reza Abdollahi, BSc, MSc, PhD
 2014 Lydia Cranston, BSc, MSc, PhD
 2014 Patricia Jaros, BVM, MVM, MVSc, PhD

2014 Bernard (Ben) Phiri, BVM, MVS, PhD

Research Associates

1998 Julie M. Collins-Emerson, BSc(Hons) ANU, PhD

1999 Anne C. Midwinter, MSc, PhD Monash

Research Technologist and Engineer

1992 Ian W. Barugh, BAgSc, DipSc

Director Animal Welfare Sciences and Bioethics Centre, Professor of Animal Welfare Science and Professor of Applied Physiology and Bioethics

1988 David J. Mellor, ONZM, BSc(Hons) NE., PhD Edin.,
HonAssocRCVS Lond.

Centre for Animal Nutrition

Director

1991 Patrick C.H. Morel, IngAgrDipl, DrScTech Zur.

Centre for Feline Nutrition

Director

2002 David G. Thomas, BSc(Hons), PhD Lond.

EpiCentre

Director

2012 Tim E. Carpenter, BA UCLA, MS UC Davis, PhD UC Davis

NZ Equine Parentage and Animal Genetic Services Centre

Director

2005 Jenny I. Cahill, BVSc, PhD

Wildbase

Director

2002 Brett Gartrell, BVSc(Hons) Syd., PhD Tas., MACVSc

School of Engineering and Advanced Technology

Head of School and Professor

1985 Don J. Cleland, BTech(Hons), PhD, FIPENZ, FIRHACE, Hon
MAIRAH, FNZIFST, FASHRAE

Albany Campus

Associate Head and Professor

2013 Serge Demidenko, ME, PhD Belarus, FIEEEE, FIET, CEng UK

Professors

1991 Robyn A. Phipps, BSc Well., BArch(Hons) Well., PhD, MCASNZ,
MISIAQ

2013 Paul Watters, FBCS, SMIEEEE, CITP

Associate Professors

2006 Edmund Lai, BE(Hons), PhD UWA, FIET, CEng UK, FIE Aust.,
CPEng Aust., SMIEEEE

2002 Johan Potgieter, MSc, PhD UND

2003 David Parsons, BA(Hons) Sus., M.Phil Ston., PhD Nott. Trent

Senior Lecturers

2005 Fakhru Alam, BSc B'desh, MSc VA, PhD VA

2010 Naseem A. N. Ameer Ali, BSc(Hons) QS Reading, CDipAF, Cert
Adj (KLRCA), MSc Arch UCL., MSc Construction Law & Arb
KCL., FCIArb, Chartered QS (UK), Chartered Builder (UK), Reg
QS (M'sia), Accredited Mediator (CIDB, M'sia), Panel Adjudicator
(KLRCA), PPRISM, FRISM, FCIOB, FCIArb, MNZIQS, MRICS,
ICECA, MAPM, AIQS (Affil),

2004 S. M. Rezaul Hasan, BSEE B'desh., MSEE SUNY, Buffalo, PhD
UCLA, SMIEEEE

2002 Anuradha Mathrani, BTech All'd, MMS Pune, PhD

2008 Sanjay Mathrani, BTech(Hons) Knpr., MS Mgmt, PGDCM Pune,
PhD, MIPENZ, CPEng

2007 Steven Matthews, BE, PhD Auck.

2005 Jasper Mbachu, MSc Jos, PhD P.Elizabeth, MBA, MCIQB,
MNZIOB, MNZIQS, MCMAA

1999 Rashid M. A. Rashid, MSc Wroclaw, PhD Strath.

1995 Aruna Shekar, MA Madr., PhD, CIPENZ, PDMA

2014 K.M Stock, BSc Otago, PhD Qld.UT, GDipURP NE, GCertComp
Deakin, GDipSP Qld.UT

2003 Ruili Wang, BEng, MEng, PhD Dublin

2006 Brian Whitworth, BSc, BA, MSc Auck., PhD Waik.

Lecturers

2012 Khalid Arif, BSc UET, ME Tokyo, PhD Purdue

2011 Niluka D. Domingo, BSc(Hons) Moratuwa, PhD Lough.

2011 Temitope K. Egbelakin, BSc(Hons) O.Awolowo, MEnvDes Lagos,
MSc NU

2011 Frazer K. Noble, ME, PhD

2012 Teo Susnjak, BSc(Hons), MSc, PhD

Teaching Fellow

2013 Moi-Tin Chew, BSc, MInfSc

Senior Tutors

2007 Chris Chitty, NZCS

2006 Kate J. Henderson, BSc Auck., MAppSc Lincoln, MNZIOB

2003 Tong Liu, BEng BInfSc(Hons), PGDipBusAdmin, MSc

2010 Susan M. Mander, BE(Hons) Auck., MIES

2000 Indu Sofat, BA(Hons), MA Delhi, DipInfSc

2013 Bill Wang, MSc

Manawatū Campus

Professors

2005 Allan M. Anderson, BTech(Hons), PhD, FNZIFST

1996 John E. Bronlund, BTech(Hons), PhD

2012 Paul Childerhouse, BSc Lanc., PhD Cardiff

2001 Yusuf Chisti, BSc Jos, MSc Lond., PhD Waterloo, Dr hc Iasi,
FICHEM, CEng

2003 Clive E. Davies, BSc(Hons), PhD, DIC Lond., FIPENZ, FICHEM,
FRSNZ, CEng

2007 Hans W. Guesgen, Dipl-Inform Bonn, Dr. rer. nat. Kaiserslautern, Dr.
habil. Hamburg

2008 Benoit Guieysse, ME ENSIACET France, PhD Lund, Sweden

1998 Richard G. Haverkamp, BSc(Hons) Well., PhD Auck., FIPENZ,
FNZIC, CPEng, MInstD

1998 Jim R. Jones, BE(Hons) Cant., MSc Idaho, PhD Camb.

2004 Stephen Marsland, BA(Hons) Oxf., PhD Manc.

2000 S. C. Mukhopadhyay, BEE, MEE, PhD India, DEng Japan, FIEEEE,
FIET

1982 A. (Tony) H. J. Paterson, BE(Hons), PhD Camb., FIPENZ

1993 Andrew N. Shilton, MTech, PhD, FIPENZ

1971 Ralph E. H. Sims, MSc N'cle (UK), CRSNZ, CEng, FIAgrE, FIPENZ

Associate Professors

1989 Donald G. Bailey, BE(Hons), PhD Cant., SMIEEEE

2003 Jens Dietrich, Diplommathematiker, PhD Leipzig

2006 Jane E. Goodyer, BEng(Hons), PhD Coventry, CEng, MIET, FIPENZ

2003 Nigel Grigg, BSc(Hons), MSc, PhD Strath., MCQI CQP, Sen MASQ,
MInstD

1984 Pak-Lam Yu, MSc OSU, PhD Freiburg

1993 Eva Heinrich, MSc TU Muenchen, PhD

2002 Gourab Sen Gupta, BE, India, MEE Eindhoven, PhD, SMIEEEE

Senior Lecturers

1996 Ibrahim H. Al-Bahadly, MSc, PhD Nott., SMIEEEE, MIET

1990 Huub H. C. Bakker, BE(Hons), PhD Cant., SMIEEEE, MIPENZ

2008 Karl Dahm BE(Hons), PhD Auck.

2006 Clarie L. Flemmer, BSc KwaZulu-Natal, PhD West Virginia

2005 Rory C. Flemmer, BSc, MSc, PhD Natal

2003 Xiang Gui BSc, MSc Jiaotong, PhD HKU, SMIEEEE

2013 Henning Koehler, MSc Munich, PhD

1980 Paul J. Lyons, MSc Auck.

1998 Robin S. Mann, MSc Warw., PhD Liv.

2002 Catherine McCartin, BSc(Hons) Well., MSc C'nell, PhD Well.

1981 Giovanni S. Moretti, BSc(Hons) Auck., MSc, PhD

1987 Tom R. Robertson, MTech, FNZIFST

- 1996 Liqiong Q. Tang, BEng, PhD *Liv.*, MIEEE, MRSNZ, ASME
 1978 Alan C. Wright, BTech(Hons)

Lecturers

- 2014 Rachel Blagojevic, MSc *Auck.*, PhD
 2012 Mikael Boulic, BSc *France*, MEnvMgt *France*, MEnvEng *France*, PhD
 2013 Colin Brown, BE(Hons), PhD, AMICheme, MNZIFST
 2007 Nicola Brown, BTech(Hons), PhD
 2002 Nicky Campbell-Allen, BASocSci, MPhil
 2009 Kuda Dube, BSc(Hons), *Zimbabwe*, PhD, *Dublin*,
 2014 Syed Faraz Hasan, BE, PhD
 2009 Nihal Jayamaha, BSc, MBA, MEng, PhD
 2004 Russell Johnson, BSc, GDipInfSc, PhD
 2009 Phil Murray, PhD

Teaching Fellows

- 1982 Ralph G. Ball, BSc(Hons), CNAA
 2013 Moi-Tin Chew, BSc, MInfSc

Senior Tutor

- 1993 Ken A. Mercer, BSc, NZCE

Postdoctoral Fellow

- 2009 N. Govindan BSc, BEd, MSc, PhD

Director of Logistics and Supply Chain Management

- 2012 Paul Childerhouse, BSc *Lanc.*, PhD *Cardiff*

Associate Director of Logistics and Supply Chain Management

- 2007 Norman E. Marr, MSc, PhD *Cran.*

School Business Manager

- 1994 Glenda F. Kirk

SEAT Industrial Advisory Board

- Graham Milne, Professional Director, BTech(Hons)
 Jeremy Hill (Chair), Director Research, Science, Technology & Developmen,
 Fonterra, PhD
 Lewis Gradon, Senior Vice President – Research and Development Fisher and
 Paykel Healthcare, BSc *NZ*
 Murray McNae, Chairman of Solnet Group, BSc(Hons) *NZ*
 Shaun Coffey, MAgrSc, GDipChgMgmt, GDipCD
 Timothy O'Connor, Principal, Auckland Grammar School, BEd, DipTchg
 Mel Weston, Managing Director, Micron Security Products Ltd
 Richard Templer, General Manager Research & Technical Services, Callaghan
 Innovation

Construction Industrial Advisory Board

- Ron MacDonald (Chair), General Manager (Northern Region), Ebert
 Construction
 Victoria Troake (Vice Chair), Director, Troake Group Ltd
 Sam Lomax, Senior Quantity Surveyor, Fletcher Construction
 Stephen Gracey, Director, Rider Levett Bucknall
 David Warwick, Senior Cost Manager, Beca
 Dr Greg Chawynski, General Manager, Global Construction Solutions
 Rick Mason, Executive Director, NZ Institute of Builders
 Barry Calvert, Senior Cost Manager, Beca
 Phil Brosnan, Managing Director, Brosnan Construction Ltd

Adjunct Professor

- 2014 Olaf Diegel, MPM *Syd.*, PhD, MIPENZ

Adjunct Associate Professor

- 2013 N. Peckitt, FRCS, FFD, RCS, FDS, RCS, FACCS

Honorary Research Professor

- 2011 Peter F. Driessen, BSc(Hons) *Br.Col.*, PhD *Br.Col.*

Honorary Research Fellows

- 1970 R. Chong, BSc(Hons), PhD *NSW*
 2012 C. Gilchrist
 1981 R. H. Kemp, BSc(Hons), MSc *N'cle (UK)*, PhD, MBCS, CEng
 1984 Elizabeth A. Kemp, BA(Hons), DipEd *N'cle (UK)*, DipBDP, MBS,
 PhD, MNZCS

- 2011 J. M. Turrull-Torres, BIS CAECE, PhD *Nacional de San Luis*
 2011 Y. Yuan, BSc Ocean Qingdao, MAppSc RMIT, PhD *W.Syd.*

Honorary Teaching & Research Associate

- 2013 A. Punchihews, BScEng(Hons) Moratuwa, MEEng Eindhoven, PhD,
 MIPENZ, FIET

Honorary Teaching Fellows

- G. Chawynski, BTech, ME, PhD *Swin.*, FIAB, MNZIOB, MNZIM, MAIBS,
 MIE, MAIPM, MWBO
 B. Wakelin, BE, FIPENZ
 N. S. Walmsley, BSc, CEng, MICHEM

Honorary Research Associates

- A. A. Parshotam, PhD, (Landcare Research)
 S. Tallon, PhD, (Callahan Innovation)

Centre for Product Innovation

Director and Professor

- 2005 Allan M. Anderson, BTech(Hons), PhD, FNZIFST

Centre for Energy Research

Director

- 1971 Ralph E.H. Sims, MSc *N'cle (UK)*, CRSNZ, CEng, FIAgrE, FIPENZ

Research Staff

- 1985 Don J. Cleland, BTech(Hons), PhD, FIPENZ, FIRHACE, Hon.
 MAIRAH, FNZIFST, FASHRAE
 2009 Phil Murray, PhD

Centre for Organisational Excellence Research

Director

- 1998 Robin S. Mann, MSc *Warw.*, PhD *Liv.*

Research Leader

- 2003 Nigel Grigg, MSc, PhD *Strath.*, C.Math, MIMA, MIQA, MILT

Massey Agricultural Experiment Station

Director

Appointment Pending

Agricultural Research Technician

Fiona Brown

No 1 Dairy Farm Herd Manager

Jolanda Amooore

No 4 Dairy Farm Manager

Hamish Doohan

No 4 Dairy Farm Herd Manger,

Appointment Pending

Tuapaka Farm Manager

Phil Brooks

Riverside Farm (Wairarapa) Manager

Dave Milne

Sheep and Beef Cattle Deer Research Unit (Keeble/Haurongo) Farm Manager

Phil Brooks

New Zealand Institute for Advanced Study

Head of Institute and Distinguished Professor

- 2004 Gaven Martin BSc(Hons), MSc, PhD *Michigan*, FRSNZ, FAMS,
 FNZMS

Distinguished Professors

- 2007 Paul Rainey, BSc, MSc, MA Oxon., PhD *Cant.*, FRSNZ, Member –
 Max Planck Society
 2004 Peter Schwerdtfeger, FRSNZ

Professors

- 2011 Marti Anderson, BA Occidental, GradDipSci(Hons) *Syd.*, PhD *Syd.*,
 MA *Syd.*
 2010 Joachim Brand, DipPhys., Dr. rer. nat *Heidelberg*
 2011 John Butcher, MSc *Auck.*, PhD *Syd.*, DSc *Syd.*

- 2009 Victor Flambaum FAA
 2012 Sergej Flach Diplomphysiker, Dresden, Dr. rer. nat. *Dresden*,
 Habilitation *Dresden*
 2009 Boris Pavlov PhD, DSc *Leningrad*
 2012 Thomas Pfeiffer, PhD, ETH *Zurich*

Research Officer

- 2013 Joshua Bodyfelt, PhD *Wesleyan*

Post-Doctoral Fellows

- 2014 Chaitanya Gokhale, PhD
 2013 Honour McCann, PhD
 2013 Sylke Nestman, PhD
 2013 Phelippe Remigi, PhD
 2011 Jonas Wiebke, DiplChem, Dr. rer. nat.
 2013 Xiaouquan Yu, PhD

Massey Business School

School of Accountancy

Head of School and Professor

- 2003 Fawzi Laswad, MSc *Wisc.*, PhD *Syd.*, FCA, CMA, FCPA *Aust.*

Manawatū Campus

Professor

- 2004 Paul V. Dunmore, BSc(Hons) *Well.*, MBA, PhD *McM.*, CMA, MRSNZ

Associate Professor

- 1980 Lindsay G.S. Trotman, LLM *Cant.*, Barrister and Solicitor of the High Court of New Zealand

Senior Lecturers

- 1994 Matthew A. Berkahn, BBS(Hons), LLM *Well.*, SJD *Deakin*
 2003 Nirmala Nath, BA, MA, PGDip, DipEd *USP*, PhD *Waik.*, CPA (Aust.)
 2011 Radiah Othman, MAcc *Curtin*, MAcc *UiTM*, PhD *Aston*, CPA (Aust.)
 1992 Nives Botica Redmayne, MSc *Zagreb*, PhD, FCA
 2011 Deborah Russell, BCom(Hons) *Otago*, BA(Hons), PhD *ANU*
 1987 Lin Mei Tan, MA *Lanc.*, DipAcc, ACIS *UK*, FCCA *UK*, PhD *ANU*, CA

Lecturers

- 2013 Lei Cai, BAcc, BBS(Hons), PhD
 1987 Frances C. Chua, BA *Taiwan*, MBS, DipBusAdmin, DipEd, DipSLT, CPA (Aust.)
 1987 Lindsay C. Hawkes, MBS, DipBusAdmin, CA
 2007 Yuan Yuan Hu, MA *Wolv.*, MAcc *Glas.*, PhD *Cardiff*, CPA (Aust.)
 2001 Ngaire Kirk, BBS(Hons), MBS, NCBCertMgmt, NZIM, CA
 2002 Feona J. Sayles, BBS, LLB, LLM *Cant.*, GradDipBusStuds, PGCertTertTchg, Barrister and Solicitor High Court of New Zealand
 1997 Lin Tozer, MBS, DipBusAdmin, CA

Senior Tutor

- 2008 Elana Stalman, BComm, Teaching DipPU for CHE

Tutor

- 2010 Christelle Roos, BCom(Hons) *NWU*, MCom *VU*

Albany Campus

Professors

- 2006 Michael Bradbury, MCom, PhD *Auck.*, FCA, CMA
 1997 Jillian J. Hooks, BBS, MMS, PhD *Waik.*, DipTchg, FCPA (Aust.), CA

Associate Professor

- 2014 Ahsan Habib, BCom, MCom Dhaka, PhD *Hitotsubashi*

Senior Lecturers

- 2014 Haiyan Jiang, BEcon Zhengzhou, BCom(Hons), PhD *Lincoln*
 1999 Nicholas M. Smith, BA(Hons), LLB *Natal*, PhD *Auck.*
 2005 Warwick J. Stent, BCom(Hons) *Rhodes*, MCom *RAU*, CA

Lecturers

- 2013 Mereana Barrett, BMS, MMS *Waik.*, PhD *GCU UK*
 2011 Borhan Bhuiyan, BBA, MBA *Dhaka*, PhD *Lincoln*, CPA *Aust.*
 1999 Patricia F. O'Sullivan, LLB(Hons) *Cant.*, MComLaw *Auck.*, Barrister and Solicitor of the High Court of New Zealand
 2008 Jayantha Wickramasinghe, MBA, PhD *Bond*, CMA, CPA, FCA (SL), MACS

Senior Tutors

- 2013 Patrick Flannery, MA, LLB(Hons) *Auck.*
 2008 Siata F.L.H. Tavite, BCom *Auck.*, MBA *USP*, PGDipAFM *USP*

Wellington Campus

Senior Lecturers

- 1988 James D. Heslop, BCA *Well.*, MBS, AdvCertTTchg WP, CA
 1973 Jeremy J. Hubbard, LLB *Lond.*, LLM *Well.*, CertTED *Lond.*

School of Aviation

Chief Executive Officer

- 2005 Ashok Poduval, MMgmt, FRAeS

Manawatū Campus

Manager of Professional Programmes

- 1996 Francis S. Sharp, AFC BSc *Cant.*, MMgmt, FRAeS, CFS, PSC

Manager Aviation Safety & Chief Flight Examiner

- 1990 Ritchie J. de Montalk, MAV(Hons), PhD, FRAeS,

Chief Flight Instructor

- 2007 Craig Whyte, DipBusStud, BAv

Deputy Chief Flight Instructor & Quality Assurance Manager

- 1999 Paul Kearney, BAv

Lecturers

- 2009 Ross St George, PhD, *Waik.*
 2004 Andrew Gilbey, PhD, *Warw.*
 2006 Alexander John Murrie, BBS, MBS
 2006 Jose Perezgonzalez, PhD (Doctor Europeus) *La Laguna*
 2011 Aruna Ranganathan, BSc *J.Nehru U.*, MSc *Anna.*, PMP
 2000 Savern Reweti, BSc, *Cant.*, PhD, DipInfSc, DipTchg
 2013 Rose Ying Gong Davies, BEng, MSc, PhD *Auck.*

Ground Instructors

- 1999 Eric George Reynolds, LAME, NZCAA

School of Communication, Journalism and Marketing

Head of School and Professor

- 2013 Shiv Ganesh, BA(Hons) *Delhi*, MA *Tat Inst. SocScis*, PhD *Purdue*

Albany Campus

Associate Head of School

- 2002 Sandy Bulmer, BTech, MCom *Auck.*, PhD *Auck.*

Professors

- 2013 Harald van Heerde, MSc *Groningen*, PhD *Groningen*
 2014 Leo Paas MSc *Amsterdam*, PhD *Tilburg*

Associate Professors

- 2004 Margaret Brunton, BSocSc, MMGT, PhD *Waik.*
 2003 Henry F. L. Chung, MBA, PhD *Waik.*
 2013 Valentyna Melnyk, BBE *Sumy*, MBE *Sumy*, MEM *Amsterdam*, PhD *Tilburg*

Senior Lecturers

- 2009 Andrew Chrystall, BSocSc *Waik.*, BTheo *Auck.*, MA *Qld.*, PhD *Auck.*
 2012 Craig Fowler, MSc, PhD *Penn State*
 2013 Chris Galloway, BA *Auck.*, MC *Well.*, MMGT, PhD *Monash*
 2006 Andrew Murphy, BA, MCom *Auck.*, PhD *UBC*
 1992 Nitha Palakshappa, MMS *Waik.*, PhD, *Cant.*
 2000 Gurvinder Singh Shergill, MCom, LLB, OhD *Cant.*

Lecturer

2008 Loren Stangl, BS, *Arizona State*, MBA *Thund.*, PhD

Senior Tutor

1997 Simon Cope, MBA *S.Aust.*

Manawatū Campus

Associate Head of School

1978 Marianne G. Tremaine, MA *Otago*, PhD, DipLGA *Auck.*, LTCL

Associate Professors

1982 Mike Brennan, MPhil, PhD, DipEd

1990 Margie A. Comrie, MA, PhD, DipJourn *Cant.*, FPRINZ

Senior Lecturers

2000 Douglas J. Ashwell, MA, PhD

2002 Emma Dresler-Hawke, BSc, *Cant.*, MSc *Cant.*, PhD *Well.*

2011 Susan Fountaine, BA, MPhil, PhD

2001 Judith Holdershaw, BBS(Hons), MBS, PhD

2003 Heather Kavan, BA(Hons) *Well.*, PhD *Well.*

2008 Nicola Murray, BA, MA, PhD

2005 Franco Vaccarino, MA *S.Af.*, DEd, *S.Af.*

Lecturer

2012 Mark Avis, MCom, PhD *Otago*

Assistant Lecturers (Supernumary)

2012 Pamela Feetham, BBS(Hons), MBS

2013 Murray MacRae, BBS(Hons), MBS

Wellington Campus

Associate Head of School

2004 Elizabeth Gray, MA, PhD *UVA*

Professor

1972 Frank X. Sligo, BA *Otago*, MBS, PhD, ANZLA

Senior Lecturers

1997 Ravi Balasubramanian, BSc *Bom.*, MMS *Bom.*, PhD

2007 Fiona Chan, BA *TWU.*, MA *Ohio State*, PhD *HK.*

2003 Grant Hannis, MA *Auck.*, MA *Well.*, PhD *Auck.*

2005 James Hollings, BA *Cant.*, MA *Well.*, DipJourn *Cant.*, PhD

2014 Jenny Zhengye Hou, MPhil, PhD *Qld.*

2006 Mingsheng Li, MAYNU, PhD *La Trobe*

2004 Raja Peter, MMkt *W.Aust.*, MMS *Birla.*, PhD *Curtin*

2003 Sean Phelan, BA *Limerick*, PhD *Dublin*

2012 Catherine Strong, MA *USA*, PhD

Lecturers

1998 Judith Bernanke, BM *Nth Carolina*, MA *Ohio*, PhD

1998 Jeannette Fletcher, MA *Well.*, MBA, *Well.*, PhD *Well.*, DipTESOL *Well.*, DipLIS *Well.*

2013 Georgeta Hodis, BA *Rom.*, MA *USA*, PhD, *USA*

2009 Kane Hopkins, BBS, MBS, PhD

Tutor

2006 Shirley Morrison, TTC, TDipT

School of Economics and Finance

Head of School and Professor in Finance

2002 Martin R. Young, MA, PhD, CMINFINZ

Albany Campus

Associate Head of School

1977 Anne M. de Bruin, MEc *New Eng.*, PhD

Professors

2010 David Ding, PhD *Memphis*

2003 Christoph Schumacher, ME, MInt Bus, PhD

Associate Professors

2004 Russell Gregory-Allen, BA, PhD, *Nth Texas*

1998 Xiaoming N. Li, BE *Hefei*, PhD *Strath.*

2006 Sasha Molchanov, MA, PhD *Miami*

2013 Nick Nguyen, BCom(Hons), PhD

2003 Nuttawatt Visaltanachoti, MSc, PhD *Nanyang*

Senior Lecturers

2012 Lorenzo Ductor, MA, PhD

2007 Simona Fabrizi, PhD *Toulouse*

1996 Susan L. Flint-Hartle, BA, MBS, AREINZ, PhD

1995 Brendan Moyle, MSc, DPhil *Waik.*

2005 Amelia Pais, LL, LEB *Madrid*, MA, PhD *Lond.*

2007 Yafeng Qin, PhD *NUS*

2005 Mei Qiu, BE, MMgt, PhD

2004 Jeffrey Stangl, BA, MBA, *Glendale*

2001 William Wilson, PhD

2004 Liping Zou, MBS, PhD

Lecturer

2007 Alan Pope, BBS, MNZPI

Senior Tutor

2003 Mark Werman, BA, JD, MBA

New Zealand Social Innovation and Entrepreneurship Research Centre

Director/Professor

1977 Anne M. de Bruin, MEc *New Eng.*, PhD

Manawatū Campus

Associate Head of School (Palmerston North & Wellington) and Associate Professor

1994 David W.L. Tripe, BCA(Hons) *Well.*, MBS, PhD, DipBank, FAIBF

Professors

1987 Hans-Jürgen Engelbrecht, DipVolkswirt *Heidel.*, MA *E.Anglia*, PhD *Qld.*

1995 Rukmani Gounder, BA *USP*, MA *Poona*, PhD *Qld.*

2002 Ben R. Marshall, MBS, PhD

Associate Professors

1995 Hamish D. Anderson, MBS, PhD, DipBusAdmin, CA

2004 Jing Chi, BA(Hons) *Nanjing*, MSC *R'dg*, PhD *R'dg*

2014 Panagiotis (Panos) Fousekis, BSc *Greece*, MSc *Greece*, PhD, *Penn State*

Senior Lecturers

1996 James E. Alvey, MEcon *Qld.*, PhD *Tor.*

2008 Faruk Balli, BS *Turkey*, MA *Houston*, PhD *Houston*

1978 K. Stuart Birks, BA(Hons) *Essex*, MSc *Lond.*, PhD

1998 Sue M. Cassells, BSc *Cant.*, MAppEcon, PhD, DipTchg

2007 Yuk Ying (Candie) Chang, BSocSci, MPhil, PhD *HKUST*

1997 Jianguo Chen, BS SEU *PRC.*, MS *Hujiang Uni PRC*, PhD *Miss.*

2004 Md Humayun Kabir, BSS *Dhaka*, MSS *Dhaka*, PhD *New Orleans*

2012 ChiLei (Oscar) Lau, MSc *HKUST*, PhD *HKUST*

2008 Yun (Max) Li, BS *China*, MA *China*, PhD *Spore*

1990 Chris B. Malone, MBS, AC, ABD *Conn.*, PhD *Conn.*

1998 Michael Naylor, BA(Hons) *Well.*, MSc *Lond.*, PhD

1999 James Obben, BSc(Hons) *Ghana*, MA *Wash. State*, PhD *New Eng.*

2008 Hatice Ozer-Balli, BS *Turkey*, MA *Turkey*, PhD *Houston*

2003 Kim Hang Pham Do, MSc *Wagen*, PhD *Tilburg*

2014 Janine K Scott, BBA *Texas*, PhD *Texas Tech.*

1994 Shamim Shakur, BSS(Hons) *Dhaka*, MA, PhD *Bost.*

1990 Carolyn G. Wirth, BCom *C'dia*, MBA *Manit.*, CGA *Canada*, PhD

2003 Udomsak (Jeff) Wongchoti, BBA *Chulongkorn*, MBA *Wisc.*, PhD *Memphis*

Lecturers

1987 Iona A. McCarthy, BAgSci, MBS, DipBusAdmin, SPINZ

2002 Samuel A. Richardson, MAppEcon, PhD

2005 Song Shi, BE, MBS, PhD, MPINZ

2000 David Smith, BA(Hons), MBS, PhD

Senior Tutor

1997 J. Andrea Bennett, BSc(Hons), MBS, DipBusStuds, DipTchg

Centre for Agribusiness Policy & Strategy

Director/Associate Professor

2014 Panagiotis (Panos) Fousekis, BSc *Greece*, MSc *Greece*, PhD *Penn State*

Centre for Public Policy Evaluation

Director

1978 K. Stuart Birks, BA(Hons) *Essex*, MSc *Lond.*

Centre for Financial Services and Markets

Director and Associate Professor

1994 David W. L. Tripe, BCA(Hons) *Well.*, MBS, PhD, DipBank, FAIBF

Wellington Campus

Senior Lecturers

2006 Wei-Huei (Wendy) Hsu, BBS(Hons), PhD

1991 W. Guy Scott, MAgrSc *Cant.*, PhD *Well.*

Financial Education and Research Centre (Fin-Ed Centre)

Director

2012 Pushpa Wood, BA(Hons), MA *Delhi*, PhD *Well.*, Dip Commonwealth Youth Development

School of Management

Head of School and Professor

1997 Sarah Leberman, BA *Camb.*, MA (Applied) *Well.*, PhD *Well.*, Cert ACE *Vic.(Aust.)*

Albany Campus

Associate Head of School

Appointment Pending

Professors

2008 Jim Arrowsmith, BA(Hons) MCIPD, PGCertPCE, MA, PhD

2012 Jarrod Haar, BMS *Waik.*, PGDipStratMgt *Waik.*, PGDipOrgBeh *Waik.*, MMS *Waik.*, PhD *Waik.*, AFHRINZ

2010 Jane Parker, BA, BCom, MCom, PhD

Associate Professors

2004 Gabriel Eweje, MA, MSc, PhD *Lond.*

1986 Lynn Jeffrey, BA *Well.*, MBA, PhD, DipEd, DipTchg, MRAeS

2009 David Pauleen MA, PhD

2008 Dennis Viehland, MA *Missouri-Columbia*, PhD *Arizona*

Senior Lecturers

2005 Andy Asquith, BA(Hons) *UCE*, PhD *UCE*

2002 Ralph Bathurst, MusB, MCom *Auck.*, PhD *Auck.*, DipTchg, DipMus *Cant.*

1993 Trish Bradbury, MPE *Ott.*, PhD

2003 Andrew Cardow, BA *Otago*, MBS, PhD *Otago*, DipBusAdmin, DipTchg

2004 Bevan Catley, BCom(Hons), BPhEd *Otago*, PhD *Otago*

1998 Margot Edwards, MSc *Auck.*, PhD, DipSport, DipTchg

2003 Darryl Forsyth, BA(Hons), MSc *Cant.*, PhD *Cant.*

2003 Yuanfei Kang, MA, PhD

2014 Jeffrey Kennedy, BSc(Hons) *Cant.*, BCom *Cant.*, PhD *NanTech.*

1999 William Kirkley, MA, DipBusMgmt, DipLabour Law, PhD

1998 Janet Sayers, MBS, PhD *Auck.*, DipBusAdmin,

2014 Shane Scahill, BPharm *Otago*, MMgmt *Auck.*, PhD *Auck.*

2011 David Tappin, PhD

1994 Kaye Thorn, BSc *Auck.*, MSc *Cant.*, PhD

Lecturers

1993 Andrew Barney, BA, MPhil *Auck.*

2012 Yulong Liu, MMgt, PhD

2012 Nazim Taskin, PhD

Early Career Research and Teaching Fellow

2013 Christian Yao, BBS(Hons), PhD

Senior Tutors

2002 Binglan Han, MSc, PDipInSc

2002 Ivan Petroff, BEng, MSc, PhD *UNWE*

Tutor

2012 Lili Zhou, PhD *Waik*

Manawatū Campus

Associate Head of School

Appointment Pending

Professors

2014 Lorraine Warren, BSc *Wales*, MSc *Brad.*, PhD *Wales*, PGCE *Hudd.*

Associate Professors

2001 Craig Prichard, BA *Cant.*, PhD *Nott.*

1985 Paul K. Toulson, BA *Cant.*, PhD, DipPM, LFHRINZ, AFNZPSSS

Senior Lecturers

1991 Joanne Bensemann, MBS, DipBusStuds, DipBusAdmin, PhD, MNZITT

1999 Inga Hunter, BAO *Dublin*, MA, MB, MPhil, DipObst *Otago*, PGDipBusStuds, FRNZCGP

1998 James Lockhart, PMSC, MAgrSc, PhD *Auck.*, IoD

2001 Farah Palmer, ONZM, BPhEd(Hons), PhD

1986 Philip L. Ramsey, MBS, PhD

2001 Alexei Tretiakov, BSc(Hons), PhD *Mendeleev Chem. Tech.*, PhD *Tohoku*

1996 John Walker, MA, MBS, PhD, DipEd (*E.Af.*)

1993 Richard J. Whiddett, MA, PhD *Lanc.*

Lecturers

2013 Ozan Nadir Alakavuklar, BA *Dokuz Eylul*, MBA *Dokuz Eylul*, PhD *Dokuz Eylul*

1995 Shirley Barnett, MBS, DipBusAdmin, PhD, MNZITT

2014 David Brougham, MMS *Waik.*, PhD *Waik.*

2012 Andrew Dickson, MBS, BBS, BSc, PhD

1998 A. Barry Foster, BA, MPhil, DipBusStuds

2013 Frieder Lempp, BA(Hons) *Well.*, MA *Leipzig*, PhD *Well.*

2002 Myles Stilwell, LLB, DipSocWk, DipPSM, MMgt

2001 Beth L. Tootell, MCom *NSW*, PGCertTT *Otago*

2013 Suze Wilson, BA *Cant.*, PhD *Well.*

Supernumerary Lecturer

2012 Jason Mika, BMS *Waik.*, MPP *Well.*

Early Career Research and Teaching Fellow

2011 Kerri-ann Hughes, BA Griffith, BA(Hons) *Cant.*, MPP *Well.*, MA *Cant.*, PGDip Adm, RN, PhD

Senior Tutors

1993 Ee Kheng Ang, MBS, DipTchg, DipSLT

Tutor

2011 Alan B. Willis, BBS, MBS

English Language and Academic Assistance Teacher

2003 Nick Roelants, MA, DipTchg, Cert TESOL

Wellington Campus

Associate Professor

2003 Martin Perry, BSc(Hons) *H-W.*, PhD *Ply.*

Senior Lecturers

2006 Martina Battisti, MSc, PhD

1988 Barbara Jill Crump, BA, GDipIS *Well.*, ScEdD *Curtin*

2004 Louise Lee, BA *Cant.*, MBS, PhD, DipTchg *Cant.*

2003 Kate Lewis, MBS Dist, PhD

1978 Kerina A. Logan, BA, GDipIS *Well.*, ScEdD *Curtin*

1997 Karl Pajo, MA, PhD

2002 Damian Ruth, BA(Hons) *UCT.*, MPhil *UCT.*, PhD *Sheff.*

Lecturer

1987 Jacqui Campbell, BA, MPhil, TDipT, TDip

Senior Tutor

1979 Richard Marks, BSc *Manc.*, CertEd *Birm.*

Administrative and Support Services

Academic Strategy, Policy & Regulations

Director

1991 Margaret E. Stewart, MAgSc

Administrator

2011 Sue Bell, BA(Hons)

Accreditation Consultant

1991 Fiona Coote, GradDipBusStuds, DipArts

Senior Consultant – Academic Policy and Regulations

2000 Pat Hickson, MA, PGDipBusAdmin

Senior Consultant – Academic Policy and Regulations

2005 Meredith MacKenzie, BBS, BA

Academic Information Systems Analyst

2004 Jia Yi Lu, BE Jilin, GDipInfSci, BInfSci(Hons), MInfSc

Service Leader, Committee and Academic Information

2003 Belinda Chainey, MA, *Auck.*, PGDipMusSt

Alumni & Foundation

Foundation and Alumni Director

2009 Mitch Murdoch, BA *Well.*

Alumni Relations Manager

2010 Jasmine Groves

Commercial Operations

Manawatū Campus

General Manager

2005 Denis Jenkins

Sport & Rugby Institute

Operations Coordinator

2013 Andrew Berry

Marketing Coordinator

2013 Kelly Evans

Gymnasium Manager

2005 James Amon

Wharerata

Operations Manager/Executive Chef

2006 Sean Kereama

Customer Services Manager

2002 Frances Healy

External Relations

Assistant Vice-Chancellor – External Relations

2010 Cas Carter, BSocSci *Waik.*, MA Appl RECN *Well.*

EA/Administrator

2011 Jeanette McKinnon

Marketing Director

TBA

Communications Director

2006 James Gardiner

Web Content Manager

2010 Glen Young, DipIS

Stakeholder Management Director

2011 Sue Allen

Student Recruitment Manager

2014 Stefan Smith, BA *Otago*

Student Liaison Advisors

Northern

2012 Fay Hunt-Ioane

2010 Aisling Kennedy, BAJ *Dublin*

2013 Julian Rosser BSocSci, GradDipT (Primary) *Waik.*

2004 Karen McLaren, GradCertCareerDev *AUT*, DipTchg, TTC

2013 Rebekah Walker, BCom

Central

2004 Kerre Devonport-Ward, BEd, DipTchg

2012 Samantha Roberts, BSc *Well.*

2012 Leland Ruwhiu

Southern

2011 Belinda Weepu, BA *Well.*

Facilities Management Manawatū

Manawatū Campus

Facilities Director – Manawatū

2013 Keith Harvey, FNZIQS

Physical Resources Manager

2011 Jenny Larking, BAS, BArch, ANZIA

Operations & Security Manager

2011 Kerry-Lee Probert, BSW, PGDipBusAdmin

Grounds Manager

2006 Gary Mack, HNC, FInstG (Dip)

Projects & Contracts Manager

2011 Scott Pearce

Utilities Manager – Electrical

1993 Rick Budd, LCG, HNC(Elec)

Utilities Manager – Mechanical

2001 Sean Lynch, BE(Mech) *Auck.*, MIPENZ (Building Services & Civil), CPEng

Building Maintenance & Contracts Manager

2004 David Webb, NZCE(Civil)

Engineering Manager – Building Automation Systems

2008 Richard Jackson, BE

Campus Health & Safety Advisor

2013 Rhea Hazners

National Timetable Manager

1989 Debra Ward

Space & Property Manager

2011 Rachel Smith

Finance

Chief Financial Officer

2013 Carolyn Dimond, BA(Hons), FCCA, ACA

National Capital Manager

1995 Murray Adams, GradDipBusStuds

Financial Reporting

2003 Don Taylor, BBS, CA

Financial Services

2010 Steve Clarkson, DipBusAdmin, ACA

2011 Richard Cronin, BBS, CA

2005 David Zhou, BBS(Acc), GradDipBusStuds, PGDipProfAcc, CA

Financial Management Information Systems

2014 Shayne Batcheler, BBus, ANZIM

Administrative

1992 Lois Fagan (Supervisor – Accounts Receivable)

- 1991 Chrissy Huff (Procurement and Payables Supervisor)
 1993 Ellen McCarten (Review Team and Treasury Supervisor)

Information Technology Services

Chief Information Officer

- 2009 Clive Martis, BA, MBA

Departmental Administrator

- 2010 Rebecca Zentveld

Associate Director, Planning and Transformation

- 2005 J. Alistair James, BA *Well.*, BSc *Well.*, MBA *Well.*, DipSocSc

Interactive Technologies Manager

- 1997 Sue Tait, MAgrSc

Technical Lead (Audio Visual)

- 1975 Selwyn Cathcart, AdvTC Comms & TV *CIT*

Technical Lead (Video Conferencing)

- 2010 Howard Nicholson, NZCS, GDipSci

Technical Lead (Multimedia)

- 2014 Simon Thorpe

Project and Portfolio Manager

- 2013 Christian Hayes

Project Manager and Infrastructure Solutions Coordinator

- 2001 Andrew Vile

Project Managers

- 2013 Patricia Drew
 2006 Graeme Fox, BSc, PGDipTchg, PGDipMgmt
 2012 Kim Finlayson
 2006 Diane Rozmus, BInfSc
 2006 Leonard Smit, NDipTech *VUT*

Project and Portfolio Planning Analyst

- 2014 Sue Lawrence

Technical Project Manager

- 2009 Paul Charsley, BSc, MSc

Infrastructure Build Manager

- 2011 Niall Connolly, BSc City (UK)

Data Storage Engineer

- 2011 Ian Briggs

Infrastructure Development Engineers

- 2010 Diego Circelli
 2001 Guy Defryn, MCSE, MCSA, VCP, CCNA, NPP
 1980 Glen Eustace, BSc
 2009 Darron Murdoch, BBS, MCSE, MCSA, MCITP

Business Analyst Manager

- 2007 Jeremy Crowley, BSc *Bath*

Senior Business Analysts

- 2013 Chris Brown, BA(Hons)
 2007 Sharon Mildon, BA, DipBus
 2011 Dan Simmons, BTech
 2007 Jo Thomas, BAppIS *UCOL*

Business Analysts

- 2008 Samantha Bleakley, BAppIS, PGDipBusAdmin
 2012 Rafael Cardoso, CBAP
 2011 Willem de Swardt
 2012 Niki Heywood, NCBC AUT

Data Management Specialist

- 2014 Sarah Ellison, BInfSc(Hons)

Governance Advisor

- 2012 Nancy Taneja, BBA, MIT

Stakeholder Engagement Specialist

- Appointment Pending

Stakeholder Engagement Analyst

- Appointment Pending

Associate Director Business Systems Support

- 2013 Harry Faas

Applications Support Manager

- 1997 Michael Wilson, BSc, PGDipIS

Applications Support Analysts

- 2007 Madre Chrystall, BA, PGDipIS
 2001 Des Coad
 1980 Caroline Cockburn
 2008 Nicola Grayson, BICT *UCOL*
 2008 Edwin Mok, BInfSc
 2001 Cheng Fung Pun, BInfSc
 2004 Kevin Simmons, BSc
 2008 Ivan Softic, BAppIS *UCOL*
 1997 Stephen Tate, BSc
 2010 Michael Vallance

Systems Engineers (Technical Applications)

- 2007 Francois Herbert, NZCE, EST A, ACSA
 2005 Dr. Patrick Rynhart, BSc(Hons), PhD
 2001 Michael Ward, BTech CSE

SharePoint Farm Administrator

- 2013 Aron Howarth

Technical Database Administrator Practice Lead

- 2010 Shane Scott

User Support Analyst (Online Learning)

- 2006 Carey Ong, BA *York (Can.)*, PGDip *UCOL*

Applications Development Manager

- 2014 Mathew Joseph

Analyst/Programmers

- 2010 Mohamed Alsharaf
 1994 Rebecca Baxter, BBS
 1997 Jeff Kelly, BBS
 1998 Philippe Limsowtin, BSc
 2005 Rodney Stacey, BAppIS

Senior Software Developer

- 2009 George Atkins, BInfSc

Software Development Practice Lead

- 2004 Simon Hardman, BSc

SharePoint Developers

- 2013 Alex Bunning
 2004 Andrew Hartnell
 2012 Norman Russ, BInfSc
 2013 Jared Whittington

Web Analysts/Programmers

- 2012 Steve Chalmers, BInfSc
 2009 David Kempster, BICT *UCOL*
 2009 Richard Norton, BInfSc
 2004 Pat Moody, DipMEng

Head of Risk, Quality and Continuity

- 1987 Craig Collis

Business Continuity and Facilities Manager

- 1994 Jonathan Godfrey, BSc

Change Analyst

- 2004 Josie Griffin

Junior Test Analyst

- 2009 Robert Hallam

Security Manager

- 2008 Peter Hamilton

Systems Engineers – Security

2010 Kelly Hayes

2009 Haiyang Lu, BEEng *Southeast Uni*, MTech

Senior Test Analyst

2014 Jeff Wilson

Software Testers

2000 Rachel Adams, BBS, ISTQB ANZTB

2012 Shabna Shaik, BSc, GDipInfSc, MSc

2012 Mahendra Kothakota

Stream Support and Testing Analyst

2006 Mary Legg, BHortSci, PGDipSc, CertTESOL *Trin.Coll.*

Software Build Manager

2011 Marko Blagojevic, BSc *Auck.*

Software Delivery Developers

2007 Jessica Hamilton

1995 John Hayward, BSc *Cant.*, PGDip *Otago*, AdvCert *CPIT*

2012 Theang Ly, BSc, MCSA, MCTS

2006 Adam Mackres

2007 Hamish Ward, AdvDip *UCOL*

Infrastructure Support Manager

2011 Richard Greaney, BInfSc

Data Storage Engineer

2005 Dean Richards, BSc

Operators

1990 John Hayes

1990 Ashby Howitt

Network Engineers

2001 Iresha Siriwardena, MSc *Otago*

2009 Brian Mabey

Support Analyst - Infrastructure

1998 Hans van der Horst, BEng *Amst.*

Systems Engineers

2012 Schalk Engelbrecht, NDip P.Elizabeth, MCSA, MCSE, MCTP

2013 Darren Joyce

2005 Jamie Munn, BICT, CCS, CACU

Systems Engineer - Networking

2010 Ivan van der Merwe, BCom *J'Burg*

Telephony Administrator

1990 Fay McCracken

Associate Director Service Delivery

2013 Mareen Watts

Training Manager

Stuart Edmunds

Trainer

2013 Mark Sacks

Change and Release Manager

2012 Shelley Harper, BIT, NDipBC

Incident and Problem Analyst

2006 Darrin Gosper

Service Manager Manawatū (Service Desk)

2013 Jane Johnston

Service Desk Analysts

2012 Kath Anderson

2013 Hayden Bond

2013 Steven Gaw

2013 Ewen Johnston, BBS

2009 James Porter

2013 Navdeep Singh

2014 Samuel Spencer

Service Manager, Manawatū (Support)

1991 Jenny Edwards, BSc *Leic.*, MSc *Kent*

Senior Analyst

2007 Nicola Johnstone, BBS

2001 Bobby Newby

Support Analysts

2008 Tony Chesterman, BInfSc

2005 John Henry

2006 Wei (Jack) Su

Information Commons IT Assistant

2010 Aidan Wood

Support Technicians

1992 Hugh Davies

2009 Rob McLaren

Video Communications Facilitator

1999 Colin Leong, BAppIS *UCOL*

Albany Campus

Albany Service Manager

2003 Barbie Yerkovich, NZDipComm *OpenPoly.*, NZIM *OpenPoly.*

Senior Analyst

2000 Sri Nagappan, BE, MBA, MCSE, AACIS

Level 1 Support Analysts

1998 Pravin Kumar, NZCE

2000 Karen Lowe, BInfSci

2005 Gerhard Saayman, BA, BInfSc, PGDipInfSc

2005 Arno Vacher

Information Commons IT Assistants

2007 Muhammad Irvan, BA

2010 Jie (Billy) Zhang, BSC Unitech, PGDipInf

Service Desk Analyst

2013 VJ Singh, BCA, BEd

Video Communications Facilitator

2012 Garry Jonker

Systems Engineer (Networking)

2001 Ravi Hettarachchi, ACS, NCC

Wellington Campus

Wellington Service Manager

2009 Kevin Reynolds

Support Analysts

2007 Xian Chen, BCA

2001 Ken Elliott

2001 Gareth Gowan, BFA, DipTchg

1988 Chris Harris, NZCE

1999 Rick Smith

2012 King Toha, MCom, HDSE

Service Desk Analyst

2010 Matt Lane, BBS

Systems Engineer (Networking)

1993 Gordon Clarke

International Office

Director, International

2012 Arthur Chin, JP, BCA(Hons) *Well.*, MA *Well.*, FFinSIA

Executive Assistant to the Director, International

2011 Alison Grieve

Director, International Relations

2012 Michael O'Shaughnessy, BA *Well.*, MIR *Well.*, CTEFLA

Senior Advisor Academic & International

2013 Rebecca Argyle, BSc, LLB *Well.*

International Project Development Manager

1994 Bruce Graham, BEd, DipTchg

Operations Manager

1992 Jacqueline Koenders, GradDipBusStuds

Senior Advisor, International Student Compliance and Policy

2011 Thania van der Merwe

Senior Manager, International Marketing and Recruitment

2007 Farnaaz Mohammed, BMS *Waik.*, PGDipIntlMgmt *Waik.*

Account Manager, International

2012 Rachel O'Connor

Manager, Student Mobility

2012 Gregory Huff, BA, WMU, MA, MSU

Manager – International Admissions

2006 Diana Kessler

Library

University Librarian

1992 Linda Palmer, BA, MMgmt, DipLibr *Well.*, PGDipEd (elearning), ALIANZA

Associate University Librarian (Client Services)

2005 Heather Lamond, BA *Cant.*, MLIS *Well.*, ALIANZA

Associate University Librarian (Technology & Resources)

1982 John Charles, MA *Camb.*, MALib *Sheff.*

Manawatū Campus

Turitea Site

Archives

University Archivist

2006 Louis Changuion, MA *Pret.*, PGDipMuseumSc *Pret.*, PGDipArcRec *Well.*

Collection Services

Collection Manager

1980 Jo-Ann Cowie, MA *Auck.*, DipLibr *Well.*

Librarians

1983 Helen Cahill, NZLS Cert

1983 Carol Johnson, MA *Waik.*, DipLibr *Well.*

2009 Judi Kercher, BA, MLIS *Well.*

2001 Michael Kozyniak, BA, DipLibr *Well.*

1991 Tian Shi Li, DipEd *Shanghai*, NZLS Cert

1980 Norah Mosen, MA, NZLS Cert

Digital Services

Digital Services Manager

2006 Tim Darlington, BA *Cant.*, DipLIS *Well.*

Librarians

2007 Amanda Curnow, BA(Hons) *Otago*, MLIS *Well.*

2006 Julia Harvey, BSc New Mexico, MIS *Indiana*

1986 Russell Hewitt, BA *Auck.*, BInfSc., DipLibr *Well.*

1992 Jennie Woodfield, MA, MLIS *Wisc.*, ALIANZA

Distance Library Service

Head of Section

TBA

Librarian

1986 Joanne Wood, BA, NZLS Cert

Document Supply Service

Head of Section

1992 Anne Hall, BA(Hons), DipNZLS

Librarian

1979 Annette Holm, BA(Hons), NZLS Cert

Information & Research Services

Head of Section

1989 Lucy Broadbent, BA *Auck.*, DipLibr *Well.*, ALIANZA

Librarians

2007 Katherine Chisholm, BA(Hons) *Well.*, MLIS *Well.*

2013 Philippa Elphick, BA, DipTchg, DipLIS

2006 Chris Good, BA(Hons) *Otago*, MA, DipLIS *Well.*

2011 Nicola Harris, MSc *Aberystwyth*, BA(Hons) *Swansea*

2002 Brenda Johnson, NZLS Cert, DipILS (L6) *OpenPoly.*

2012 Tracy Maniapoto, BInfoTech *UCOL*, MLIS *Well.*

1979 Nicola McCarthy, BA, DipNZLS

2004 Barbara Rainier, BSc *Rhodesia*, HDipLib *Rhodes*

2013 Anne Rām, BSc(Hons) *Otago*, PGDipECE, DipILS *OpenPoly.*

2013 Lorraine Tremain, MA *Cant.*, DipNZLS *Well.*

2008 Alison Wallbutton, BSc *Well.*, MLIS *Well.*

2005 Joanna Wenman BA, NZLS Cert

1982 Bruce White, MA *Well.*, DipNZLS

2001 Noelene White, BA, DipLibr *Well.*

Kaihautu Māori (Māori Services Manager)

2004 Sheeanda Field, BEd, MLIS *Well.*, Dip Tchg

Kaiwhakarato Pārongo Māori

2014 Ria Waikerepuru, BDesign & Art Te Wanaga o Raukawa

Lending Services

Head of Section

2005 Leigh Bryant, NZLS Cert

Librarian

1986 Janet Darvill, NZLS Cert

Planning and Quality Librarian

2006 Elizabeth Chisholm, BA, PGDipLIS *Well.*

Albany Campus

Campus Librarian

2003 Amanda Cooper, MA *Auck.*, MMgt, DipLibr *Well.*, ANZLIA

Head of Lending & Document Supply

2008 Rohini Subbian, BSc *B'thiar.*, BLIS *Annam.*, MLIS *Madurai-K.*

Librarian

2011 Annabel Bailey, BA *Cant.*, DipLibr *Well.*

Head of Information & Learning Services

2007 Jane Clark, MSc *Auck.*, MSc *Lond.*

Librarians

2012 Fiona Diesch, BA *Essex*, PGDipLIS *Well.*

2011 Vanessa (Ness) Gibson, BA *Auck.*, MLIS *Well.*

2006 Shaohong Li, BA *Xiangtan*, PR *China*

2006 Carine Marais, BA *Pret.*, BLIS *Pret.*

Wellington Campus

Campus Librarian

TBA

Head of Lending and Document Supply

1984 Christine Alexander, BA, NZLA Cert

Librarians

2007 Craig Cherrie, BSc, DipSc, DipNZLS, *Well.*, MLSc, *Hawaii*

2012 James Duncan, BA *Cant.*, MLIS, *Well.*

2011 Lauren Deacon, BA *Well.*

1981 Paul Orsman, BA(Hons) *Well.*, DipLibr *Well.*

1996 Elizabeth Smith, BA *Cant.*, DipLibr *Well.*

MUSAC (Massey University School Administration by Computer)

Director

2007 Jeremy Dombroski, BSc(Hons), PhD

Massey University Foundation

Director, Foundation and Alumni Relations

2009 Mitch Murdoch, BA, *Well.*

Development Executive

2013 Susan Silva

National Centre for Teaching and Learning

Director – National Centre of Teaching, Learning (Acting)

2005 Duncan O'Hara, BA, MMgt, PGDipBusAdmin

Teaching Consultant

2000 Anna Weatherstone, BA(Hons) *Well.*, DipTchg

Student Survey & Evaluation Unit

Student Survey & Evaluation Manager

2003 Malcolm Rees, MPhil, DipQA

Course Evaluation Coordinator

2005 Ema Alter, CPMST Law, *Grenoble*, LésLEA *Rennes*, MLEA *Sorbonne Nouvelle*

Survey Analyst

2008 Judith Naylor, MSc *York (UK)*

Educational Technology Unit

Educational Technology Manager (Acting)

1993 Andrew Rowatt, DipBisComp *CIT*

Online Learning Designer

2000 Quentin Roper, BA *Well.*

Online & Stream Support

2004 Jon Hills, BAppIS *UCOL*, DipBus *UCOL*, DipMan *NZIM*

Stream Student Support

2004 Eric Liu, BInfSc, PGCertArts

Educational Design: Rich Media

1996 Matt Alexander

Strategy & Research

Manawatū Campus

Strategy and Research Manager

2008 Rossana Couto-Mason, BA *UnB.*, MPhil

Planning Analysts

2003 Mel Barnes, MA *Otago*

1994 Manvir Edwards, BSc(Hons) *Leeds*

Senior Business Analyst (Institutional Research)

Appointment Pending

Statistical Analyst (Institutional Research)

2009 Erika Ramirez *Tunjo*, BSc *Unal*, PGDipBusAdmin, MSc *Unal.*, MFin

People and Organisational Development

Assistant Vice-Chancellor – People and Organisational Development

2008 Alan Davis, LLB *Cant.*, MBA *Well.*, CertIndRel *Well.*

Executive Assistant

1997 Coralie Weller

Manager Remuneration & Reporting

2014 Lynn McDougal

Staff Recruitment Project Manager

2012 Nigel Barker, BBS, GradIFE, CertAdultEd

Human Resources Advisers

2006 Dave Ingram (Wellington Campus)

2000 Mark McDonald, BBS

2005 Stuart McKie, BA

2001 Kylie Morgans, BBS

2002 Angela van Welie, BCA

2012 Peter Nilsen, BBS

Manager – Employment Relations

2011 Fiona McMorran, BA/LLB, DipIndRel

Employment Relations Adviser

2007 Kathryn Tulitt, BBS, DipBusStuds, DipMktg, DipMgmt

Manager – HR Services

2008 Lynette Jolly, BBS, PGDipBusAdmin

Team Leader – HR Services

2008 Preeti Mathew Verma, BA India, PGDipBusAdmin, PGDipPlannEntrepr India

Team Leader – Payroll

2011 Patricia Watson

HRIS System Administrator

2011 Geraldine Richardson, BSc *Otago*

University Health & Safety Manager

1991 Doug Pringle, BSc, BAgSc, DipAgrSc

Capability Development Manager

2013 Angela Robertson, PhD, MEd Admin, BEd, Dip TTchg

HR/Capability Advisor

2014 Jo Swift, BSc *Otago*, PGDipMgmt, PGDipTourism,

Capability Development Advisor

2004 Melissa Signal, GradDipBusStuds

Risk Manager

2000 Anne Walker, BBS, PGDipBusAdmin

Records Manager

2008 Cecily Fung, BA(Hons), PGCert *Manc.*

Professional and Continuing Education

National Director

1993 Andrea Flavel, MA, DipTESL *Well.*

Associate Directors and Managers-

2002 Harry Verhagen, MAppSci *W.Syd.*, PGTESOL *Aust.Cath.*

2012 Elizabeth Tully, BA(Hons) *Cant.*, PhD, GradDipMgmt *Cant.*

2012 Damien Banks, BMS *Waik.*

National Administration Manager

2013 Joy Hotter, CertBus AUT, DipBusComp AUT, BA AUT, PGDipBusAdmin

PA to the Director

1999 Kokila Patel, BA *Well.*

Albany Campus

Academic and Programme Co-ordinators

2008 Claire A. Goode, BA(Hons) Keele, MA *Well.*, Licentiate Dip TESOL LTCL, PGCE ModLangs *Covt.*, CertTEFL *Edin.*

2014 Mark Kaneko, PGDipBus Auck., PGDip Art & Design AUT, BA(Hons) *Glam.*

2003 Pamela Resnick, BA *Auck.*, PGDipSLT *Waik.*

2013 Lucile Giritat, LLB Lyon 3 Uni France, DipHigherEd E. Anglia, MA Marne-la-Vallee

Senior English Language Teachers

2008 Margaret C Jones, MA *Well.*, PGDipEd *Waik.*, DELTA, CELTA, IDLTM Qld.

2004 Margaret E Jones, BEd, PGDipSLT, DipTTC

2003 Vanessa Manalo, BA *Auck.*, BVA *Auck.*, PGDipLT *Auck.*, MA *Auck.*

2013 Karen Margetts, CertArts, MA Macquarie, BA *Well.*, BSc *Otago*, DipTchg ChCh, CertTESOL *OtagoPoly.*

2013 Leonard Sanders, BA(Hons) *Well.*, MA *Well.*, PhD

2001 Linus Treefoot, BA *Stan.*, DipTchg, DipSLT

2013 Rosie Wallis, BA *Waik.*, MA *Auck.*, PGDipSLT *Waik.*, CertTESOL *Waik.*, MA *Waik.*

English Language Teachers

2013 Shonn Matamua, CELTA AUT, BA Unitec

2009 R. Mariana Nordmark, BEd *Waik.*, GDipLT Unitec, DipTchg

2013 Nigel Rawhiti, CertTESOL *Well.*, NZ Award TESOL CIT, BEd *Well.*

2013 Howard Rickman, MA *Auck.*, BEd (Tchg) *Auck.*, DipITchg *Auck.*,
DiplRecSport AUT, CELTA *AuckLangCnt.*

Manawatū Campus

Academic and Programme Co-Ordinators

1999 Donna Bliss, MA *Well.*, BA *Auck.*, DipTEFLA *Cairo*
2010 Hilde Celie, BEd Gesubsidieerde Vrije, BBusMgmt Para-Medicorum
2002 Briar Hamilton, BA *Auck.*, DipTchg *Chch.*, DipSLT
2013 Danette Whitehouse, MMgmt, PGDipBusAdmin, BEd CIT, Cert
Adult Tchg CIT, DipBusStuds, DipMgmt NZIM, DipBusStuds *Waik.*

Senior English Language Teachers

2003 Brett Alcock, BA, DipDrama, CertTESOL *Lond.*, DipTESOL *Lond.*,
MPhil, MATESOL *Wgtn.*
1995 Joanne Grant, BA, DipSLT
2008 Elizabeth Hiser, MFA *Penn.*, PhD *Nott.*
2010 Athena Knight, BA *Cant.*, MA *Auck.*, MA *Macq.*
2009 Michelle Meneghini, BA *Well.*, MEd *Wgong*
2003 Robert O'Connor, BA *Well.*, DipTchg, DipTESL, CertTEFLA,
IELTSCertTEFL *Camb.*
2000 Sharon O'Sullivan, BEd, DipTchg, DipSLT
2007 Hern Teo-Sherrell, MA Iowa, BA, DipEd, CertTESL Vancouver
2008 Heather Thomas, MappLing *Well.*, MBS, BA, DipSLT,
DipBusAdmin, GradDipBusStuds
1996 Helen Thomson, MAppLing *Well.*, PGDipSLT, BA, CertTEFLA *Auck.*

English Language Teachers

2013 Susanne Aldrich, PGDipSLT, BA, TESOL IPC
2013 Lynley Barker, MAAppLing *Well.*, DipTESOL *Well.*, RSA
Cambridge, CEFLA Dominion English School, BA
2013 Nick Cleland, BAppEcon
2013 Julie Doyle, BEd, CertTESOL Trinity, DipTchg
2001 Jill O'Brien, BEd, DipTchg, PGDipSLT
2013 Cindy Tan, LGSMH Honours *Lond.*, CELTA *Camb.*, BA, PGDipSLT

Team Leader Administration (Central)

Wellington Campus

Academic and Programme Co-Ordinators

1971 Masako Crawford, MA, BA(Hons), BA Shinshu, CertTchgEnglish
Shinshu
2004 Anne-Marie Ngan, DipTESOL *Well.*, TTC
2013 Christina Baldarelli, MA *Calif.*, BA, *Calif.*

Senior English Language Teachers

1998 Elizabeth Morrison, BA *Well.*, MSc *Penn.*, DipTchg, DipBus,
PGDipLitEd
2002 James Prior, MA *Well.*, DipTESOL *Well.*, DipHort

English Language Teachers

2009 Shelley Abu Shanab, MA *Well.*, BA Leeds, PGCE *Leeds*, DipTESOL
Lond.
2009 Eugenia Butler, BA Bucharest, DipTchg Bucharest, MAppLing *Waik.*
2004 Jane Kitchenman, BA, DipTchg, DipGerman Munich
2009 John Taylor, MA *Well.*, BMus *Well.*, CELTA
2004 Shona Watson, BA *Well.*, PGDipTESL *Well.*

Project Management Office

Business Analyst

2007 Graham Robinson, BInfSc, GradDipSc, BBS

Research & Enterprise

Director, Research Operations

2013 Dr Michael Millan, BSc(Hons), PhD *Adel.*

Group Administration Manager

2001 Wendy Dixon

Research Development Cluster

Team Leader – Research and Development

2013 Joanne Innes, PhD

Director – Research Ethics

1995 Professor John O'Neill, BA *Nott.*, MSc CNA, PhD, PGCE *Lanc.*,
DipRSA

Personal Assistant/Research Ethics Administrator

2003 Patsy Broad

Chair, Animal Ethics Committee

Professor Craig Johnson, BVSc *Liv.*, PhD *Cant.*, DVA, DipECVA, MRCA,
MRCVS

Chair, Genetic Technology Committee

Associate Professor Jasna Rakonjac, MSc *Belgrade*, PhD *Rockefeller*

Manager – Graduate Research School

2013 Julia Rayner, BSc(Hons) *Edin.*, PhD *York*

Chair, Doctoral Research Committee

1998 Associate Professor Tracy Riley, BS, MEd, PhD

Team Leader – Contracts

2009 Caroline Tate, BA, LLB

Team Leader – Grants and Finance

2013 Ivor Davies, BA, BBS

Chair, Scholarships Committee

Acting Chair, Professor Brigid Heywood, AVC (Research, Academic &
Enterprise)

Research Strategy and Policy Manager

2013 Sian Wright, MBA

Strategy Research Information

2002 Doug Franz, GradDipBusStuds

Research Information Technical Support

2006 Craig Manning

Enterprise Section

Director – Business Development and Commercialisation (Research)

2008 Mark Cleaver, BAgr, GradDipBusStuds

Commercialisation and Intellectual Property Advisor

2010 Russell Wilson, PhD

Business Development Support

2014 Dominic Milne, LLB, BCom

Student Administration

Director

1987 Patrick A. Sandbrook, BA(Hons), PhD

Senior Information Analyst

2012 Kristin Huff, MS *Minn State*, BA *CMichigan*

Financial Administrator

2003 Andrew Gordon

Academic Support Service Leader

2004 Trish Orme

Enrolment and Academic Services

Associate Director Academic Services

2002 Jacqui Hofmann, BA *Well.*, GDipInfSc

Academic Administration Service Leaders

2006 Nina Kibby, BA

1995 Marilyn Palamountain

Student Advice and Information Service Leaders

1993 Alison Gustafson, GradDipBusStuds

2012 Catherine Ross, BA(Hons)

Fees and Financial Services Service Leader

2000 Anne Chant

Assessment and Distribution

Manager

2003 Wallace Gilbert, MCP

Team Leaders

2001 Rhys Hodge

Examinations

Team Leader

1987 Raymond Hansen, NZCS

Student Information

Manager

Appointment Pending

2002 Fraser Rolfe, BA, DipJourn

Acting Materials Production Team Leader

2004 Trish Orme

National Contact Centre

Manager

To be appointed

Team Leaders

2008 Melissa Eveleigh

2008 Amanda Seymour-East

2004 Lisa Snook

Workforce Planner

1996 Andrew Gunn

Student Management Systems Support and Development Unit

Manager

2008 Sue Pond, BBS, CA (NZICA)

Senior Business Improvement Analysts

2002 Leigh Chard

2012 Kalpesh Chokshi, BE, GradDipIBM, PGDipHRM

1995 Tracy Corbett

2005 Hayley Murphy, BInfSc

2013 Mark Potten, CIMA, AAT

2014 Phillippa Smith

1992 Anne Weir, BSc, MBA, DipTchg

Information and Reporting Analyst and Support

2004 Mike Gannaway, BApplInfoSys

Student Life Services

Accommodation Services

Albany Campus

Community Manager

2011 Kelly Manning

Manawatū Campus

Community Manager

2003 Jason Auva'a, BBS, PGDipBusAdmin, MMgt

Wellington Campus

Community Manager

2014 Tony Browne

Campus Information Services

Manager

1984 Alan White, MMgt, PGDipBus, BA, DipMgt, NZIM

Team Leader

2001 Pauline Frings, BA

Campus Information Services Officers

2001 Anna Hope

1987 Susan Kelland

2011 Noeline Marston, CertBusStuds

Centres for Teaching and Learning (including Disabilities)

Albany Campus

Centre Manager

2002 Ken Cage, BA(Hons) *Wits*, MA *RAU*, HDipEd *Wits*

ESOL Learning Consultant

2005 Martin McMorrow, BA(Hons) *Oxf.*, MA *Thames V.*, DipTEFLA

Extramural/Postgraduate Learning Consultant

2007 Lilia Sevillano, BA, MA, DA *De la Salle*, GradDipArts

Postgraduate Learning Consultant

2005 Vanessa van der Ham, BA(Hons), MA *Natal*, HDipEd *UNISA*

Pasifika Learning Adviser

2013 Seluvaia Paea, BA USP, GradDipTchg TIOE, GradDipBusStuds

Teaching and Online Consultant

2011 Dave Snell, BA(Hons) *Auck.*, DipTchg

Teaching and Online Consultant

2011 Jane Terrell, BA, MEdAdmin *Auck.*, DipTchg, CertTEFL

Student Adviser: Disability

2011 Gerard Chow, BEng(Hons) *NUS*, PGDipEd *NIE*, BHSC

Manawatū Campus

Centre Manager

2004 Samantha Rullan, BA(Hons), DipSW

Student Learning Coordinator

1998 Rebekah Tuileto'a, MA *Well.*

Post-graduate Learning Consultant

2013 Catherine Stevens, PhD *Edin.*

Learning Consultants

2012 Sonya Holm, BA(Hons), MA *Melb.*

2013 Julia Tanner, BA(Hons), MA, PhD

1980 Lois Wilkinson, BSc, MPhil, DipEd, DipTching

Learning Consultant Distance

2004 Diana Adams, BA, MPhil, DipWomen'sStudies

Pasifika Learning Advisors

2004 Sesimani Havea, BCA, MSocPolicy

2010 Sunlou Liuvaie, BA, MA, DipTchg

Teaching Consultants

2004 Katarina Gray-Sharp, MA, PGDipArts, GradDipMāoriDev

Teaching and Online Consultants

2012 Jean Jacoby, BA, HDE *UKZN*

2009 Andrew Jamieson, PGDipEd, DipTchg

Student Success Adviser

2012 Ruth Jackson, BSc

Disability Student Adviser

2004 Philip Godfrey, BSc(Hons)

Alternate Format Co-ordinator

2005 Kevin Murrow, BA

Wellington Campus

Centre Manager

2011 Jennifer Thompson, MA *Well.*, MEdAdmin, PhD *Deakin*, DipTchg

Learning Consultants

2012 Greg Gilbert, BA Carleton, MA Concordia, PhD *Well.*

2010 Emma Osborne, BA(Hons) *Well.*, PGDipEd

2003 Janet Wutzler, BA *Cant.*, DipTESL *Well.*, CTEFLA *Well.*

Teaching and Online Consultant

2004 John Milne, BSc *Otago*, MSc *Otago*, MSc *Heriot Watt*, MBA *Aberdeen*

Pasifika Development and Learning Adviser

2006 Rachael Leafé, BA(Hons) *Well.*

Student Success Advisor

2013 Priscilla Brooking, BT(Hons) Rio de Janeiro, GDipTESOL Rio de Janeiro, MBA Rio de Janeiro

Inclusive Education Advisor (Disability)

2011 Penny Hay, BMus *Well.*

Chaplaincy Network

Albany Campus

Coordinating Chaplain

2014 Rev. Ian Cook, BPHEd, DipTchg, PGDipAdminMgt, DipTheol

Interdenominational Chaplains

2008 Rev. Kyu Kim, BA, MDiv *Chang Shin Korea*, MSWAppl, PGDipPastoralCounselling *Yeon Sei Korea*

2011 Carrie Rambo, DipDentalAssist *Portland*

2004 Jill Shaw, BS *Int. Cult Comms Johnson*, MA Theol *Cincinnati*

2006 Yang Yang Wu, BAppTheol *Carey College*

Manawatū Campus

Coordinating Chaplain

2009 Paul Stock, MSc *Waik.*

Catholic Chaplain

2012 Mary-Grace Williams, BA *Well.*

Interdenominational Chaplains

2009 Colin Day, BA *Manc.*

2007 Diane Stock, DipTchg *Auck.*

2010 Victoria Sibley, MA *Leeds*

International Chaplains

1973 Terry McGrath, BSc, BA, MPhil, DipTchg

2011 Isaac Fung, PhD *Manc.*

Wellington Campus

Chaplaincy Coordinator

2004 Rey Enriquez, BE

Interdominational Chaplains

2009 Koleta Konise, DipPastoralMin

2010 Mark Moore, MDiv USA

Distance Students' Centre/Advocacy and Online Communications

Manawatū Campus

Manager and Advocate

2013 Anne Palmer, BA

Student Support Assistant

2013 Thérèse McCrea, BA

Team Leader

2013 Murray Kirk, BA *Otago*, GradDipSci

Communications Technical Team

2013 Tammie Crompton, BAVI UCOL

2013 Chris Montgomery

Events Management

Albany Campus

Events Manager

2005 Andrea Abbott

Manawatū Campus

Events Manager

2011 Jane McLaughlin, BA Napier

Wellington Campus

Manager Events, Promotions and Commercial Activities

2009 David Pearce, MBS

Health and Counselling Services

Albany Campus

Health and Counselling Centre Manager

1993 Gabrielle Graham, BA, MEd *Auck.*, NZRGON, RM, MNZAC

Counsellors

2012 Jennifer Beckett, MA, PGDipPsychPrac, BA(Hons), MNPSS, MACBS

2013 Theresa Martinovich, MCouns *Auck.*, BCouns, PGDipHlthSci, PGCertSupn

2010 Johannes Van Den Berg, MEd *Auck.*, PGDipEd, BA(Hons), MNZAC

2013 Lynn yue Yang, MEd *Auck.*, PGDip Couns, BA Wuhan, MNZAC

Medical Officers

2003 Shashikala Bhuthoji, BS *India*, MD *India*, MB, DipPaed *India*, DipObsGyn *Auck.*, MRNZCGP

2013 Angela Fraser, MBChB *Auck.*, DipPaed, BHlthSci, NZCRN, FRNZCGP

2004 Robin Kelly, MRCS Eng, LRCP *Lond.*, FRNZCGP

1995 Glenda Lowe, MBChB, DipObst *Auck.*, FRNZCGP

2004 Lesley Yan, MBChB *Auck.*, DipPaed *Auck.*, BInfSc, MRNZCGP

Practice Nurses

2000 Vivienne Barker, NZRGON

2003 Elizabeth Fleet, RGN *Leeds*

2013 Kathryn Keenan, NZCRN

2012 Jessica Metcalfe, NZRN, BN

Manawatū Campus

Medical Director

1988 M. R. J. Morris, MBChB *Otago*, FRNZCGP

Counselling Head of Service

2003 Mark Rainier, BA(Hon) *P. Elizabeth*, MA, MEd, HDE *Rhodes*, MNZPsS

Administration Team Leader

2008 Aleks Spasov

Senior Student Counsellors

2005 Angela Baker, MA, Reg Psych, MNZPsS

2008 David Coomber, MusB *Cant.*, UM *Zwolle*, MHSc *AUT*, PGCert *The Hague*, PGradDipHSc *AUT*, DipTchg *Cant.*, LTCL *Lond.*, MNZPsS, MNZAC, MCTAA, AMAPA, Regd Psychotherapist

Student Counsellor

2012 Morag Cunningham, BA(Hon) *Otago*, MCouns, DipTeach ChCh, DipTEFL *Edin.*, ILC, MNZAC

2009 Lynley Hayward, DipCouns, DipHS, GradCertCouns *WellTec.*, MNZAC

Māori Counsellor

2010 John Pahina, BA, PGDipArts, MA, PGDipClinPsych, Regd Clinical Psychologist.

Medical Officers

2007 C. A. Davis, BHB, MBChB *Auck.*

2002 A. J. R. Kriechbaum, MBChB *Otago*, MPH, FRNZCGP

2012 P X Yeong, MBChB *Auck.*, MRNZCGP

Principal Nurse

2013 R Turner, RGN

Practice Nurses

2013 R Hurnard, RGN

2007 A. J. Mullen, RGN

2010 R. Timms, RGN

Career Adviser

1998 Nicola Stone, BA, PGDipBusAdmin

Career Consultant

2006 John Ross, BA(Hons) *G. Caledonian*, PGDipHR *Strath.*, DipCGHE *Reading*

Wellington Campus

Health and Counselling Centre Manager

1994 Mary Khalil, NZRGON, BN, DipTropDis *Lond.*

Senior Counsellor

2009 Patricia Ford, MCouns(Dist), BSc *Cant.*, MNZAC

Counsellors

2014 Mark Pope, MCouns, PGDipEd *Well.*, DipCBT EIT, DipTchg *Cant.*, MNZAC

2012 Sharman Robinson, BCouns WIT, BA(Hons) *Cant.*, PGDipHlthSc AUT, DipIntegPsych EIT, CertSupervision WIT, DipCareer Counselling WIT, DipTchg *Cant.*, MNZAC

Medical Officers

2013 Julie Forsey, MBChB Cardiff, FRNZCGP

2011 Caroline Hampton, MBChB *Otago*, Dip Obst

2012 Mary Hutchinson, MBChB, *Otago*, PGDTravelMed, *Otago*, FRNZCGP

2008 Linda Mellor, MBChB *Manc.*, DipObst *Auck.*, DipChildHlth *Adel.*, DipFamilyPlan. (UK), FRNZCGPPractice Nurses

2010 Kay Lavill, SRN (UK), BN *Well.*

2002 Carole Parr, NZRGON, DipMidwif *NSW*

Sport and Recreation Services

Albany Campus

Operations Manager

2004 Richard Hollings, DipSpt&Rec AUT

Team Leaders

2013 Belinda Edwards, BBS

2014 Kathryn Waldrom, BPhEd *Otago*

High Performance Co-ordinator

1993 Vicki Hudson, BPhEd *Otago*

Clubs and Activities Officer

2014 Marusa Pogacnik, MRec *Arkanas*

Manawatū Campus

Manager

2007 Terry Rivers, BA, MS *Idaho*

Assistant Manager

2000 Ron Werner, DipExSci *UCOL*

Club and Activity Co-ordinator

2013 Orla Pettman

High Performance Co-ordinator

2013 Tamara Scott-Valath, MMgt

Customer Service Officer

2006 Megan Blatchford-Peck

Team Leader -Client Services

2014 Linda Shailer, GradDipSc

Wellington Campus

Student Services Trust Recreation, Sport and Fitness

Recreation Sport and Fitness Manager

2009 David Driscoll, BSc, PGDipHlthSc *Auck.*

Sports League Co-ordinator

2004 Hoani Siueva, CertFitness *Qld.*

Creative Hospitality Managers

Hospitality Manager and Head Chef

2005 Colin Bannantyne, HNDHospitalityMgmt *GCOFT*

Functions and Assistant Manager

2014 Janet Knox

Massey Contact

Albany Campus

Student Life Manager

2012 Marshall Barlow, BA(Hons), MA, DipCG

Information and Enrolment Centre

Client Services Officers

2005 Brenda Clifton

2009 Paula Feather, TTC

Career and Employment Services

2001 Trish Fleetwood, GDipCareerDev

International & Migrant Student Office

International & Migrant Student Office, Team Leader

2003 Vivien Cheah, MED

International & Migrant Student Office Support Officers

2006 Anita Albert

2012 Adeline Yap, BSc, GradDipEcon

International Student Support

Team Leader International Student Support (Pastoral Care)

2000 Sylvia Hooker, DipSport & Rec

International Students Support Officer

1990 Dianne Reilly, BA(Hons), GradDipBusStuds

International Students Support Officers (Scholarships)

2011 Jamie Hooper, BA, DipTchg

2012 Leuaina Vaai-Hatier

International Students Support Officer (Family Support)

2002 Susan Flynn, TTC, CertTESOL

International Students Support Officer (Administration)

2013 Tian Tian, BC

Wellington Campus

Manager, Student Life Services

2014 Deborah Snelson, BSc(Hons) *Edin.*, MSc *Lond.*, PGCE *Camb.*

Team Leader, Student Life Services

2013 Clare Piliae, DipCommBroadcasting, NatCertRadio, NZ Radio Training School

International Student Support

2006 Cherie Wu, BA Nankai, BA(Hons) *Well.*, PGDipEd

Information Officer, Student Life Services

2013 Amanda Fraser, BSc *Well.*

2014 Claire Pettigrew, BA *Well.*

Career Development Advisor

2013 Grant Verhoeven, MMgmt, AMCDANZ, GradDipEcDev AUT

Student Life Coordinator

2014 Hayley Schlup, BA

Research Centres

National Centres

National Centre for Tertiary Teaching Excellence – Ako Aotearoa

2007 Peter Coolbear, MA *Cant.*, PhD, MEdAdmin, CertED

Allan Wilson Centre for Molecular Ecology and Evolution

2012 Professor Hamish G. Spencer, MSc *Auck.*, PhD *Harv.*, FRSNA *Otago*

Riddet Institute (CoRE)

1989 Harjinder Singh, MSc *Ludhiana*, PhD *Cork*, FRSNZ

1983 Paul J. Moughan, BAgSc(Hons), PhD, DSc, FRNSZ Riddett Institute (RC1)

University Centres

Te Mata o te Tau: Academy for Māori Research and Scholarship

1994 Te Kani Kingi, BSocSc(Hons), MSocSc *Waik.*, DipMDev, PhD, DipTM

Centre for Public Health Research

2000 Professor Jeroen Dowes PhD, *Wagen.*

“SHORE” Social and Health Outcomes Research and Evaluation & Whariki Research Centre

2002 Professor Sally Casswell, PhD

Research Centre for Māori Health and Development

1994 Te Kani Kingi, BSocSc(Hons), MSocSc *Waik.*, DipMDev, PhD, DipTM

Sleep Wake Research Centre

2003 Professor Philippa Gander, PhD *Auck.*

College Centres

Centre for Agribusiness Policy and Strategy

2010 Professor Hamish Gow, BCom(Ag), MS, PhD *Lincoln*

Centre for Animal Welfare Science and Bioethics

1988 Professor David J. Mellor, ONZM, BSc(Hons) *NE.*, PhD *Edin.*, HonAssocRCVS *Lond.*

1990 Professor Kevin J. Stafford, MVB *Dub.*, MSc *Edin.*, PhD *NUI*, MRCVS, MACVSc

Centre for Energy Research

1971 Ralph E. H. Sims, MSc *N'cle (UK)*, CEng, FIAgrE, FIPENZ

Centre for Ergonomics, Occupational Safety and Health

1995 Stephen J. Legg, BSc(Hons), PhD, FErgS, CNZERG

Centre for Excellence for Research in Mathematics Education – CERME

2001 Margaret Walshaw, BSc *Cant.*, MEdAdmin, PhD, DipTchg

1995 Glenda Anthony, BSc(Hons), MPhil, PhD, LTCL, DipTchg

Centre for Mathematics in Industry

2003 Dr. Winston Sweatman, BA(Hons) *Oxf.*, PhD *Edin.*, PGCertTLHE *Edin. Napier*

Centre for Postharvest and Refrigeration Research

2007 Andrew East, BE(Hons), PhD

2010 Professor Julian Heyes, BSc(Hons) *Well.*, DPhil *Oxf.*

Centre for Industrial Management and Innovation

2005 Allan M. Anderson, BTech(Hons), PhD, FNZIFST

Centre for Public Policy Evaluation

1978 K. Stuart Birks, BA(Hons) *Essex*, MSc *Lond.*

Centre for Research in Analogue and VLSI Microsystem Design

2004 Rezaul Hasan, BSc Bangladesh, MSc *NY*, PhD *Cali.*

Centre for Service and Working Dog Health and Research

2007 Dr Andrew Worth, BVSc, MANZCVS, PGDipVCS, FANZC

Centre for Structural Biology

1994 Geoffrey B. Jameson, BSc(Hons), PhD *Cant.*, FNZIC, FRNSZ

Centre of Theoretical Chemistry & Physics

2004 Peter A. Schwerdtfeger, CEng *Aalen*, BMat, MSc, PhD *Stuttgart*, HabilPrivat *Marburg*, MACS, MGDCh, MAPS, FRNSZ, FNZIC

Ecological Economics Research New Zealand

2009 Marjan van den Belt, MBA, PhD *Maryland*

EpiCentre

1986 Roger S. Morris, BVSc *Syd.*, MVSc *Melb.*, PhD *R'dg*, FACVSc, FAmerCE, FRNSZ

2012 Tim Carpenter, BA *UCLA*, MS *UC Davis*, MS *UC Davis*, PhD *UC Davis*

Fertilizer and Lime Research Centre

1983 Mike J. Hedley, BSc(Hons) *Leeds*, PhD

Infectious Disease Research Centre

2011 Nigel P. French, BVSc, MSc, PhD *Brist.*, DLSHTM, MRCVS.

Joint Centre for Disaster Research

2006 Professor David Johnston, MSc *Cant.*, PhD, MInstD

New Zealand Biochar Research Centre

1998 Jim Jones, BE(Hons) *Cant.*, MSc *Idaho.*, PhD *Camb.*

2009 Marta Camps, BAgEng(Hons) *Politenica de Catalunya*, MSc, PhD *UC Davis*

New Zealand Centre for Precision Agriculture

1997 Ian J. Yule, MSc, PhD *N'cle (UK)*, CEng

New Zealand Life Cycle Management Centre

2010 Sarah McLaren, BSc(Hons) *Ecology Leeds*, MSc *Tor.*, PhD *Sur.*

New Zealand Social Innovation and Entrepreneurship Research Centre

2010 Anne de Bruin, MEc *New Eng.*, PhD

New Zealand Wildlife Health Centre

2002 Brett Gartrell, BVSc(Hons) *Syd.*, PhD *Tas.*, MACVSc

Riddett Institute (RC1)

1989 Harjinder Singh, MSc *Ludhiana*, PhD *Cork*, FRNSZ

1983 Paul J. Moughan, BAgriSc(Hons), PhD, DSc, FRNSZ Riddett Institute (RC1)

Te Au Rangahau: Māori Business Research Centre

Vitamin D Research Centre

2001 Associate Professor Jane Coad, BSc(Hons), PhD *Lond.*, PGCEA, R. Nutr.

2009 Dr Pamela Von Hurst

Professors Emeriti

R. S. Adams, MA, DipEd NZ, PhD *Otago*

D. F. Bacon, MSc NZ, PhD *Yale*

Tom Barry BSc(Hons), PhD *N'cle (UK)*, DSc

Richard D. Batt, MBE, MSc PhD NZ, MA DPhil *Oxf.*, FNZIC FRSC FRNSZ

Don R. Bewley, JP (retired), MA *Oxf.*, MEd *Edin.*, HDipEd TCD, DipOperaSt *Manc.*

D. K. Blackmore, MRCVS *Lond.*, CBE

Andrew M. Brodie, BSc(Hons), PhD *Cant.*, DSc, FNZIC, CChem, FRSC

R. R. Brooks, BSc *Brist.*, PhD *Cape.*, BA, DSc, FNZIC

Tim J. Brown, BSc(Hons) *Leic.*, PhD *Lond.*, CBiol, FIBiol

A. N. Bruere, DVSc *Syd.*, PhD *Glas.*, MRCVS, FACVSc

I. L. Campbell, BAgSc NZ, PhD *Missouri*, FNZIAS

Srikanta Chatterjee, MA *Calc.*, MPhil *Sur.*, PhD *Lond.*

Norma Chick, RGON, RM, DipNEd, BA(Hons) *Melb.*, PhD *ANU*, FRCNA

John A. Codd, OMNZ, BA, DipEd, MA, PhD

Glynis M. Cropp, MA NZ, LĒsL Du Paris

Martin H. Devlin, ED, BA *Cant.*, M.Com *Otago*, GradDBS, MAIIE

J. Dunmore, ChLHon JP, BA(Hons) *Lond.*, PhD NZ, AIB

Mary D. Earle, BSc, PhD *Glas.*, HonDSc *Khon Kaen*, FNZIFST, FIPENZ(Hon)

Richard L. Earle, BE(CHEM), BSc NZ, PhD *Glas.*, HonDSc *Khon Kaen*, FICHEM, FIPENZ, CEng

Wayne Edwards, OBE, MA *Auck.*, MEdAdmin, PhD *NE.*, DipEd, AdvDipTchg, ANZIM, FCCEAM, FNZEAS

Ian Evans, BA(Hons) *Witw.*, PhD *Lond.*, FRNSZ, FAPA, FAPS, FNZPsS

E. Des Fielden, BAgSc NZ, BVSc *Syd.*, FRCVS, FACVSc

Elwyn C. Firth, BVSc, MS *Kentucky*, PhD *Utrecht*, DipACVS
 John R. Flenley, MA, CertEd, Sc.D *Camb.*, PhD *ANU*
 D. S. Flux, MAgrSc *NZ*, PhD *R'dg*
 Alan R. Frampton, MAgrSc, PhD *C'nell*, HonDSc
 Graeme S. Fraser, MA *NZ*, PhD *Miss.*
 Philip J. Gendall, MSc *N'cle (UK)*, MAgrSc, PhD
 Richard K. Harker, MA *Well.*, PhD
 Robert V. Hargreaves, BS *Berkeley*, DipDairy Farming, MBA, FPinZ
 Richard J. Harris, BSc(Hons), PhD *AdelB.*
 I. Hayman, MSc *NZ*, MA *Camb.*, PhD *Birm.*
 Gary L. Hermansson BA, Cal(Berk), MA, PhD, DipSocSci *Well.*
 Eroll Hewett, BSc(Hons) *Cant.*, PhD *Wales*, FNZSHS
 R. Hodges, MSc *NZ*, PhD *Manc.*
 John Hodgson, BSc, PhD, DSC, *Leeds*, FRSNZ
 R. M. Hodgson, BTech(Hons) *Brad.*, PhD *Nott.*, FIEE, SMIEE, FNZCS, FIPENZ
 C. W. Holmes, *BAgr(Hons)*, PhD *Belf.*
 Kerry R. Howe, MA *Auck.*, PhD *ANU*
 Jeffrey J. Hunter, BSc *NZ*, MSc *Auck.*, PhD *Nth Carolina*, DSc, MRSNZ, FNZMS
 Roger D. Jolly, BVSc, PhD *Syd.*, DSc, FACVSc, FRSNZ
 B. R. Jones, BVSc
 Nan J. Kinross, RGON, DipN, BA *Cant.*, MS *Calif.*, PhD, FRCNA, FCNA
 Mohan Lal, BCom *Well.*, MBS, FCA, CMA
 Nigel R. Long, MSc *Auck.*, PhD *Qld.*, FNZPSS
 R. H. Ngatata Love, PCNZM, JP, BCom, BCA(Hons), PhD *Well.*, ACIS, ANZIM
 Barrie K. Macdonald, BA(Hons) *Vict.*, PhD *ANU*
 A. Cluny Macpherson, MA *Auck.*, DPhil *Waik*
 I. S. Maddox BSc(Hons), PhD *Birm.*
 Geoff N. Malcolm, MSc *NZ*, PhD *Manc.*, FNZIC
 B. W. Manktelow, BVSc, PhD *Brist.*, DipMicrobiol *NZ*, MRCVS, MACVSc
 M. R. Mathews, DipBusStuds FIT, BBus *Well.*, DipEd SCV, MSocSc *Birm.*, MPhil *Lough.*, EdD *Mont.*, MPhil, FCPA, FCA, CMA
 Anton D. Meister, MAgrSc *Cant.*, PhD *Iowa*
 Ken S. Milne, MAgrSc, PhD *Calif.*, FNZSHS, AHRIH
 Roger S. Morris, BVSc *Syd.*, MVSc *Melb.*, PhD *R'dg*, FACVSc, FAmerCE, FRSNZ
 R. E. Munford, MAgrSc *NZ*, PhD *R'dg*
 Vince E. Neall, BSc(Hons), PhD *Well.*, MNZM, CRSNZ, FN

A. C. Norris, MSc *Hull*, PhD *Imperial Lond.*, DIC, FRSC, CChem, FIMA, CMath, CSci
 W. H. Oliver, MA *NZ*, DPhil *Oxf.*
 Roger Openshaw, MA, DPhil *Waik.*, DipTchg
 David Parry, CNZM, BSc(Hons) *Lond.*, PhD *Lond.*, DSc *Lond.*, FNZIC, FNZIP, FRSNZ
 Hector B. Perera, PhD *Syd.*, BCom
 Tom K. Prebble, MA *Auck.*, PhD *Alta.*, DipTchg FNZEAS
 Allan L. Rae, OBE, MAgrSc *NZ*, PhD *Iowa*, FNZIAS, FAAABG, FRSNZ
 E. L. Richards, MSc *NZ*, PhD *Brist.*, FNZIC FNZIFST
 R. G. Robinson, MA *Atla.*, PhD *Rand.*
 Sylvia V. S. Rumball, CNZM, ONZM, MSc *NZ*, PhD *Auck.*, FNZIC
 J. K. Scott, BE(Hons) *NZ*, MChemE, FNZIM, FIFST
 George A. Shouksmith, MA *Edin.*, PhD *Belf.*, C.Psychol, FBPsS, FNZPSS
 E. Warwick Slinn, PhD *Brit Col.*, MA *Hawaii*, BA(Hons) *Cant.*
 Ivan A. Snook, MA *Cant.*, PhD *Ill.*
 Brian P. Springett, BSc(Hons), PhD *Dunelm*
 P. A. Sullivan, MSc, PhD *Otago*, FNZIC, FRSNZ
 Margaret Tennant, MA, PhD
 R. G. Thomas, BSc(Hons), PhD *Lond.*
 Keith W. Thomson, CMG, MBE, BA *NZ*, MA, PhD *Wash.*
 Russ W. Tillman, BSc(Hons) *Cant.*, PhD
 R. J. Townsley, MAgrSc, PhD *Iowa*, FNZSFM
 P. L. van Moeseke, GOL II OL, BSc(Hons), ME *Ghent*, LIC *Louvain*, MS *Iowa*, MA, PhD *Yale*
 J. A. Veale, JP MSc *NZ*, PhD *Lond.*, DIC MIBiol, AHRIH
 Antonios (Tony) Vitalis, BA(Hons) Open, DMS, MSc, PhD *Lond.*, CEng, MIMechE, MErgS
 Graham C. Wake, PhD, DSc *Well.*, CMath, FIMA, FNZMS, FRSNZ
 Sir Neil Waters, MSc, PhD *NZ*, DSc *Auck.*, Hon DSc *East Asia*, HonDLitt, FNZIC, FRSNZ
 Lady Joyce Waters, MSc, PhD *NZ*, FRSNZ, FNZIC
 B. R. Watkin, MAgrSc *NZ*, PhD *Lond.*
 Ian D. Watson, MSc *NZ*, PhD *Otago*, FNZIC
 Ian J. Warrington, CNZM, MHortSc, DSc, Hon DLitt, FRSNZ, FNZSHS
 D. M. West, BVSc, PhD, FACVSc
 A. Williams, BA(Hons) *Wales*, MA *Auck.*, PhD, AAMI (NZ)
 Norman B. Williamson, MVSc *Melb.*, MACVSc, DipACT
 Ray J. Winger, MS, PhD, *Wisc.*, FNZIFST, FIFST UK, MAIFST

Past Officers and Members of the Council

Chairmen of the Council

The Hon. Sir George Fowlds, CBE	1927–1934
Sir William Perry	1934–1935
Sir Thomas Hunter, KBE	1936–1938
Arthur Morton	1938–1942
G. Grey Campbell	1943
R. A. Candy, OBE	1944–1946
A. E. Mansford, OBE	1947
Walter V. Dyer, CBE	1947–1959
E. D. Holt, JP	1960–1962

Chancellors

J.C. Andrews, MSc, PhD, FRIC, FNZIC	1963–1966
The Hon. W. B. Tennent, JP, BDS	1967–1970
The Hon. L. W. Gandar, JP, BSc	1970–1975
Sir Arthur Ward, KBE, ACA, FNZIAS	1976–1980
L. R. Wallace, CBE, MAgrSc <i>NZ</i> , PhD <i>Cant.</i> , FNZIAS, FRSNZ	1981–1984
J. Douglas Easton, DipAgr	1985–1990
Hon. Justice J. Hugh Williams, LL.M. <i>Well.</i> , Farb INZ, HonDLitt	1991–1998

Dr Morva O. Croxson, CBE, BMus <i>Auck.</i> , MPhil, FTCL, LRSM, DipTchg, LGSM, HonDLitt	1999–2002
Nigel J. Gould, JP, ONZM <i>BCA Well.</i> , FCA HonDLitt	2003–2008
Dr Russell Ballard, CNZM, BAgSc, MAgrSc, PhD <i>Flor.</i> , FNZIM	2009–2013
Chris Kelly, MVSc, MACVSc	2013–

Vice-Chancellors

Professor Sir Geoffrey S. Peren, KBE Croix de Guerre, BSA <i>Toronto</i> , HonDSc, (Principal)	1928–1958
Professor Sir Alan Stewart, KBE, MAgrSc, DPhil <i>Oxf.</i> , HonDSc	1959–1983
Sir Neil Waters, MSc, PhD <i>NZ</i> , DSc <i>Auck.</i> , FANZAAS, FNZIC, FRSNZ, HonDSc <i>East Asia</i> , HonDSc	1984–1995
Professor James McWha, BSc, BAg(Hons) <i>Belf.</i> , PhD <i>Glas.</i> , MINZIAS, MISHS, MNZSHS, LMASPP	1996–2002
Professor Judith F. Kinnear, MSc, PhD <i>Melb.</i> , BEd <i>La Trobe</i> , GradDipComputerSim <i>Swinburne UT</i>	2003–2008
Hon Steve Maharey, CNZM, BA, MA	2008–

Members of the Council

R. A. Rodger	appointed 1927, retired 1928
Sir Jas G. Wilson	appointed 1927, died 1929
The Hon. Sir George Fowlds, CBE	appointed 1927, died 1934

S. Irwin Crookes	appointed 1934, retired 1935	Rt Rev. Manu Bennett, BSc, DD	appointed 1974, retired 1976
Sir William Perry	appointed 1929, retired 1935	B. R. Watkin, MAgrSc, PhD	appointed 1974, retired 1976
J. D. Hall	appointed 1929, retired 1936	W. R. Halliburton, BA	appointed 1975, retired 1977
Sir Thomas Hunter, KBE	appointed 1927, retired 1938	M. T. Dearsley, MBE, JP, FCA	appointed 1975, retired 1990
Norton Francis, CMG	appointed 1927, retired 1939	G. E. Stinson	appointed 1977, retired 1977
H. B. Stuckey	appointed 1927, retired 1939	W. A. McGillivray, JP, MSc, PhD, DSc, FRSNZ, FNZIC	appointed 1963, retired 1978
T. U. Wells	appointed 1927, retired 1942	M. E. Pratt	January to June 1978
P. Levi	appointed 1927, retired 1941	H. K. MacEwan	July to December 1978
W. P. Rollings	appointed 1941, died 1943	A. N. Bruere, BVSc, PhD, MRCVS, FACVSc	appointed 1977, retired 1979
Arthur Morton	appointed 1927, retired 1944	Felicity M. Jardine	appointed 1979, retired 1979
H. M. Christie	appointed 1939, retired 1944	Sir Arthur Ward, KBE, ACA, FNZIAS, HonDSc	appointed 1967, retired 1980
G. Grey Campbell	appointed 1936, retired 1944	J. M. Stanfield	appointed 1980, retired 1980
R. A. Candy, OBE	appointed 1937, retired 1946	G. H. Knight, BSc(Hons), BA, PhD	appointed 1976, retired 1981
P. Kearins Jr	appointed 1939, retired 1946	Hon. Justice J. Hugh Williams, LLM <i>Well.</i> , Farb INZ, HonDLitt	appointed 1970, retired 1975, reappointed 1977, retired 1981 reappointed 1985, retired 1998
A. E. Mansford, OBE	appointed 1936, retired 1947	T. T. Manning	appointed 1981, retired 1981
Sir G. Douglas Robb	appointed 1942, retired 1947	Maxine Parker	appointed 1982, retired 1982
G. A. Hansen	appointed 1944, retired 1948	H. J. Whitwell, OBE, MA, DipEd	appointed 1967, retired 1982
K. G. Chamberlain	appointed 1948, retired 1950	R. G. Frean, MA, BSc AM, PhD	appointed 1974, retired 1982
Sir Matthew Oram	appointed 1938, retired 1950	G. R. Kear, QSM, JP	appointed 1974, died 1983
Ormond Wilson	appointed 1945, retired 1950	Sir Alan Stewart, KBE, MAgrSc, DPhil, FNZIAS, HonDSc	appointed 1959, retired 1983
W. A. Jacques, BSc	appointed 1949, retired 1951	Sarah J. Salmond	appointed 1983, retired 1983
A. S. Ashmore	appointed 1949, retired 1953	G. W. Butler, MSc NZ, FilDr <i>Lund.</i> , FNZIC, FRSNZ	appointed 1977, retired 1984
L. H. Collinson (co-opted member)	appointed 1935, retired 1953	P. S. Robertson, MSc NZ, PhD <i>R'dg</i>	appointed 1977, retired 1984
A. K. Turner, MA, LLB	appointed 1944, retired 1953	J. Douglas Easton, DipAgr, HonDSc	appointed 1978, retired 1990
L. J. Wild, CBE, MA, BSc	appointed 1947, retired 1954	L. R. Wallace, CBE, MAgrSc NZ, PhD <i>Cant.</i> , Hon DSc, FNZIAS, FRSNZ	appointed 1960, retired 1984
A. J. Hastie, ED	appointed 1950, retired 1956	D. C. Lane, JP, BAgrSc, FNZIAS	appointed 1981, retired 1986
B. E. Keiller	appointed 1954, retired 1959	R. Shirley, BSc	appointed 1982, retired 1984
O. Monrad (co-opted member)	reappointed 1961, retired 1963	Sir Brian Elwood, KBE LLB NZ, ATCL, HonDLitt	appointed 1983, retired 1986
J. H. Tetley, MAgrSc, DSc	appointed 1935, died 1959	Sir Neil Waters, MSc, PhD NZ, DSc <i>Auck.</i> , HonDSc <i>East Asia</i> , HonDLitt, FNZIC, FRSNZ	appointed 1983, retired 1995
C. P. McMeekan, CBE, BAgrSc, PhD, HonDSc	appointed 1952, retired 1959	P. B. Johnston	appointed 1984, retired 1984
H. E. Annett, OBE, BAgrSc, DSc	appointed 1949, retired 1959	F. Margaret Keeling, MA	appointed 1977, retired 1985
H. B. Low, MA, PhD	appointed 1947, retired 1960	D. J. Frith, DipAgr (MAC)	appointed 1983, retired 1985
W. V. Dyer, CBE	appointed 1960, retired 1961	D. Rea	appointed 1985, retired 1985
F. G. Spurdle, MA, DipEd, PhD	appointed 1943, retired 1961	A. C. Mitchell, BSc, DipSoc <i>Edin.</i>	appointed 1985, retired 1990
A. A. Johnson, DipAg	appointed 1959, retired 1962	S. S. Turner, BSW	appointed 1985, retired 1987
V. J. Chapman, PhD	appointed 1957, retired 1962	J. P. Kerr, MAgrSc, PhD <i>Wisc.</i> , FNZIAS	appointed 1985, retired 1990
Sir Duncan Stout, CBE, DSO, FRCS, MS, HonLLD	appointed 1948, retired 1962	Win Rockell, JP, BSc	appointed 1986, retired 1999
C. V. Fife, MSc, PhD, ANZIC	appointed 1950, retired 1963	Ian D. Watson, MSc NZ, PhD <i>Otago</i> , FNZIC	appointed 1982, retired 1987
J. A. Colquhoun, OBE, MSc	appointed 1961, retired 1963	Waana Morrell Davis	appointed 1985, retired 1987
Keith W. Thomson, CMG, MBE, MA, PhD	appointed 1951, retired 1964	J. Dunmore, ChL Hon., JP, BA(Hons) <i>Lond.</i> , PhD NZ, AIB	appointed 1986, retired 1990
J. N. Hodgson, BAgrSc	appointed 1963, died 1997	Andrew Bush, BTech(Hons)	appointed 1987, retired 1987
J. C. Andrews, MSc, PhD, FRIC, FNZIC	appointed 1963, retired 1964	Margaret Millard	appointed 1987, retired 1990
W. C. Clark, MSc, PhD, DIC	appointed 1953, died 1966	P. R. Shepherd, BSc(Hons)	appointed 1987, retired 1989
L. Corkill, CBE, MAgrSc, DSc	appointed 1965, retired 1966	J. J. Stewart, MBE, DipAgr, BA	appointed 1987, retired 1999
J. Dunmore, BA, PhD	appointed 1962, retired 1966	Robyn E. Munford, MAgrSc NZ, PhD <i>R'dg</i>	appointed 1980, retired 1988
J. Dunmore, BA, PhD	appointed 1964, retired 1967	E. L. Richards, MSc NZ, PhD <i>Brist.</i> , FNZIC, FNZIFST	appointed 1983, retired 1988
Clem G. N. Hill, MA, DipEd, PhD	appointed 1965, retired 1967	Paul W. Rieger, QSO, JP	appointed 1987, retired 2004
Hon. W.B. Tennent, OBE, JP, BDS	appointed 1951, retired 1961, reappointed 1965, retired 1970	F. McLaughlin	appointed 1988, retired 1988
J. H. Jensen, MA, PhD	appointed 1967, retired 1969	A. J. Gluckman, BSc NZ, MSc <i>Auck.</i> , BA, DipEdAdmin	appointed 1988, retired 1990
A. T. Johns, CBE, MSc, PhD, HonDSc, FNZIC, FRSNZ, FNZIAS	appointed 1963, retired 1972	W. A. G. Charleston, BVSc, PhD <i>Brist.</i> , MRCVS, MACVSc	appointed 1988, retired 1990
R. D. Batt, MBE, MSc, PhD, MA, DPhil, FNZIC, FRIC	appointed 1968, retired 1973	B. Cameron	appointed 1989, retired 1989
E. D. Holt, JP	appointed 1953, retired 1973		
Delise T. Spring, OBE, JP, FCA	appointed 1961, retired 1973		
O. Conibear	appointed 1960, retired 1974		
George A. Shouksmith, MA, PhD	appointed 1973, retired 1973		
W. H. Oliver, MA, DPhil, HonDLitt	appointed 1968, retired 1973		
T. A. De Cleene, LLB	appointed 1975, retired 1975		
Hon. L. W. Gandar, JP, BSc, DSc	appointed 1963, retired 1975		
A. B. Ward, BSc EstMan	appointed 1970, retired 1976		

J. C. Davis, MA <i>Manc.</i> , FRHistS	appointed 1989, retired 1990	B. Tipene-Hook, BHthSc	appointed 2003, retired 2006
K. S. Milne, PhD <i>Calif.</i> , MAgrSc, FNZSHS, AHRIH	appointed 1989, retired 2002	Professor A. Vitalis, BA(Hons) <i>Open</i> , DMS, MSc, PhD <i>Lond.</i> , CEng, MIMech, MErgS	appointed 2003, retired 2006
N. A. Morris	appointed 1990, retired 1990	Hon Justice Stephen Kós, QC, LLB(Hons) <i>Well.</i> , LLM <i>Camb.</i>	appointed 2004, resigned 2011
D. J. Craven	appointed 1991, retired 1995	Dr Allison Paterson, CNZM, QSO, DCom, FCA, ADistFloD FUoA	appointed 2004, retired 2013
Dr M. O. Croxson, CBE, BMus <i>Auck.</i> , MPhil, FTCL, LRSM, DipTchg, LGSM, HonDLitt	appointed 1991, retired 2002	Dr Russell Ballard, CNZM, BAgSci, MAgrSc, PhD <i>Flor.</i> , FNZIM	appointed 2005
A. N. Macgregor, MSc <i>Otago</i> , PhD <i>C'nell</i>	appointed 1991, retired 1999	J. Clark	appointed 2006, retired 2006
E. Te R. Tauroa, CMG, BAgSci	appointed 1991, retired 2001	Ian Galloway	appointed 2005, retired 2005
M. I. Carroll, BSW	appointed 1991, retired 1992	Chris Kelly, MVSc, MACVSc	appointed 2005
Bronwyn A. Monopoli, BAgSci, BBS ACA	appointed 1991, retired 1994	Professor Sir Ngatata Love, GNZM, JP, BCom, BCA(Hons), PhD <i>Well.</i> , ACIS, ANZIM	appointed 2005, resigned 2012
Sir James Graham, CMG, HonDSc	appointed 1992, retired 1992	Mavis Mullins, MBA	appointed 2005, retired 2009
Sir Mason H. Durie, CNZM, MBChB <i>Otago</i> , DPsych <i>McGill</i> , DLitt, HonLLD <i>Otago</i> , FRANZCP, FRSNZ	appointed 1992, retired 1993	Professor Sylvia Rumball, CNZM, ONZM, MSc <i>NZ</i> , PhD <i>Auck.</i> , FNZIC	appointed 2005, retired 2008
C. W. Short	appointed 1992, retired 1993	Professor Ray J. Winger, MS, PhD <i>Wisc.</i> , FNZIFST, FIFST <i>UK</i> , MAIFST	appointed 2006, retired 2010
L. M. Ducat	appointed 1992, retired 1993	Dr Colin Anderson, MA <i>Auck.</i> , PhD <i>Auck.</i>	appointed 2007, retired 2010
S. Collett, BSc	appointed 1993, retired 1995	Dr Susan Baragwanath, BA <i>Otago</i> , MA <i>Lond.</i> , HonDLitt, DipEd FRGS	appointed 2007, retired 2010
Richard P. Corballis, MA <i>Cant.</i> , PhD <i>S'ton</i>	appointed 1993, retired 1997	P. Falloon, BSc	appointed 2007, retired 2008
E. R. Murchie, QSO, BA, DipTchg, Hon LLD	appointed 1993, died 1997	Veronica Tawhai, BA, MA	appointed 2007, retired 2007
L. Opara, PhD	appointed 1993, retired 1996	N. Bruce Ullrich, OBE, BCom <i>Cant.</i> , MBA, ACA, FInstD	appointed 2007
William J. Tither, BBS, ACA	appointed 1993, retired 1999	B. Heap, BSc	appointed 2008, retired 2008
M. Cheer	appointed 1994, retired 1996	Ralph Springett, CertAdultEd, BA(Hons), MA	appointed 2008, resigned 2014
N. Coffey, BSc	appointed 1995, retired 1996	R. Fifield, BA	appointed 2008, retired 2008
M. C. Campbell, BA <i>Macq.</i>	appointed 1996, retired 2005	Hon Steve Maharey, CNZM, BA, MA	appointed 2008
James A. McWha, BSc, BAg(Hons) <i>Belf.</i> , PhD <i>Glas.</i>	appointed 1996, resigned 2002	Professor Anthony Signal, BSc, PhD <i>Adel.</i>	appointed 2009
Marilyn W. Waring, BA(Hons) <i>Well.</i> , DPhil <i>Waik.</i>	appointed 1996, retired 2002	Karl Pearce, BSW(Hons)	appointed 2009, retired 2010
B. Williams	appointed 1996, retired 2002	Alexandria Sorensen	appointed 2009, retired 2009
S. Murray, BA(SocSci), DipRehab	appointed 1996, retired 1999	A. Scott, BBS	appointed 2009, resigned 2014
P. Rooney	appointed 1996, retired 1998	Tiri Porter, BBS	appointed 2010, retired 2013
A. Shadrake, MPhil	appointed 1997, retired 1998	R. Karetai	appointed 2010, retired 2010
J.H. McGregor, BA <i>Waik.</i> , LLB <i>Well.</i> , PGDipLS <i>Auck.</i> , PhD	appointed 1997, retired 2000	Professor Cynthia White, BA(Hons), DipTESL, <i>Well.</i> , PhD	appointed 2010
K. A. Rifle	appointed 1998, retired 1999	Kura Dunness, MBA	appointed 2010
P. Hobson	appointed 1998, retired 1999	K Gearry, BEng(Hons)	appointed 2011, retired 2011
D. Sutcliffe, BCom <i>Well.</i>	appointed 1998, retired 1999	Leslie Whyte, JP, MBA	appointed 2010
M. C. Thomson, BA(Hons), MA <i>Well.</i>	appointed 1999, retired 2000	Fiona Coote, GradDipBusStuds, DipArts	appointed 2010
B. Wood, MA, PhD <i>Harv.</i>	appointed 1999, resigned 2000	Associate Professor Grant Duncan, MA, PhD <i>Auck.</i>	appointed 2010
W. H. M. Kiddle, LLB <i>Well.</i> , BEd	appointed 1999, resigned 2000	Ben Vanderkolk, LLB <i>Cant.</i>	appointed 2011
K. Martin	appointed 1999, retired 2002	Ben Thorpe	appointed 2012, retired 2013
C. Blake, CNZM, DipAgr	appointed 1999, resigned 2001	Michael Ahie, BBS(Hons)	appointed 2013
E. Hawes, BA	appointed 1999, retired 2007	Nitika Erueti-Satish	appointed 2013
B. Adin, BA, DipEd	appointed 1999, retired 2000	Rebekah Walker	appointed 2013, resigned 2013
Nigel J. Gould, JP, BCA <i>Well.</i> , FCA	appointed 1999, resigned 2009	Colin Harvey	appointed 2013
M. Davies	appointed 2000, retired 2001	Liam Tait	appointed 2014
H. Potter, BA, BA(Hons)	appointed 2000, retired 2000		
Jack Dowds, BSc(Hons) <i>Belf.</i> , MBA <i>Ulster</i> , PhD, FCIS, FCCM	appointed 2001, retired 2004		
J. G. Todd, CBE, BCom <i>Well.</i> , FCA	appointed 2001, retired 2005		
H. Welton	appointed 2002, retired 2002		
Rt Rev. Bishop Whakahuihui Vercoe, MBE, PCNZM, L.TH. DipSS <i>Aotearoa</i>	appointed 2002, resigned 2004		
Professor Judith F. Kinnear, MSc, PhD <i>Melb.</i> , BEd <i>La Trobe</i> , GradDipComputerSim <i>Swinburne UT</i> , FLS	appointed 2003, retired 2008		
John A. Codd, MA, PhD, DipEd, DipTchg	appointed 2003, resigned 2005		
A. L. Davies, BBS, MBA	appointed 2003, retired 2010		
E. Gordon, MA, PhD	appointed 2003, retired 2006		
R. (Dick) Hubbard, ONZM, BTech, Hon DsC, FNZIFST, FNZIM	appointed 2003, retired 2006		

Co-opted Members

R. D. Anderson	1968
A. C. Carrick	1972–73
R. D. Anderson	1968
G. E. T. Taylor	1969
B. Gilchrist	1973–74
G. R. Emms	1970
M. Hickey	1975
D. J. R. Lee	1971–72
D. K. Stewart	1976
B. Beetham	1996–1997

Honorary Graduates

1964	Dyer, Walter Verran	Doctor of Science	Reid, Major General Piers Martin, CBE	Doctor of Literature
	Petersen, George Conrad	Doctor of Literature	McIntyre, Air Commodore Stuart, CBE, OBE, DFC	Doctor of Commerce
	Taylor, Norman Hargrave	Doctor of Science		
1966	Dry, Francis William	Doctor of Science	Oliver, William Hosking, CBE	Doctor of Literature
	McMeekan, Campbell Percy	Doctor of Science	Spring, Sir Dryden	Doctor of Science
1968	Candy, Roland Alan OBE	Doctor of Science	Goodman, Sir Patrick	Doctor of Science
	Filmer, John Francis	Doctor of Science	2001 Page, Geoffrey	Doctor of Science
1971	Hamilton, William Maxwell	Doctor of Science	Warrington, Ian CNZM	Doctor of Literature
	Tennent, William Blair OBE	Doctor of Science	2002 Tindall, Sir Stephen KNZM	Doctor of Commerce
1972	Cooper, Malcolm McGregor CBE	Doctor of Science	Selwyn, Don Charles	Doctor of Literature
	Ormond, Sir John Davies Kt BEM	Doctor of Science	Frampton, Emeritus Professor Alan Russell	Doctor of Science
1976	Hodgson, Eliza Amy	Doctor of Science	Scott, Tom	Doctor of Literature
1977	Friis, Alfred Lawrence	Doctor of Science	Bolger, Rt Hon. James Brendon	Doctor of Literature
	Gandar, Hon. Leslie Walter	Doctor of Science	Drawbridge, John	Doctor of Literature
	Ojala, Eric Mervyn	Doctor of Science	His Majesty King Bhumibol Adulyadej, King of Thailand	Doctor of Science
	Peren, Sir Geoffrey Sylvester KBE	Doctor of Science		
1979	Fitch, Lewis William Newlands CMG	Doctor of Science	2003 Hubscher, Peter	Doctor of Science
1981	Talboys, Rt Hon. Brian Edward	Doctor of Science	McIlwraith, C. Wayne	Doctor of Science
1982	Hellaby, Frederick Reed Alan	Doctor of Science	Reid, Dr John	Doctor of Science
1984	Stewart, Sir Alan KBE	Doctor of Science	Macmillan, Jock	Doctor of Science
1985	Johns, Alan Tutton	Doctor of Science	Croxson, Morva Olwyn	Doctor of Literature
1986	Wallace, Lindsay Russell	Doctor of Science	Coolahan, Kate	Doctor of Literature
1988	Edmond, Lauris Dorothy	Doctor of Literature	2004 Watson, Ian Douglas	Doctor of Science
	Pryor, William Joseph	Doctor of Science	Larsen, Warren	Doctor of Science
1989	Irvine, Clifford Hugh Greenfield	Doctor of Science	McWha, James Alexander	Doctor of Science
1990	Graham, Sir James Thompson	Doctor of Science	2005 Richardson, Elwyn Stuart	Doctor of Literature
	Kereama, Tukawekai	Doctor of Literature	Bull, James	Doctor of Science
1991	Easton, John Douglas	Doctor of Science	Baragwanath, Susan Joan	Doctor of Literature
	Lockwood, Robert Stewart	Doctor of Science	Fox, Rodger Dennis	Doctor of Music
	Peren, Roger Essex Burchall	Doctor of Literature	2006 Baylis, Geoffrey Laurence	Doctor of Literature
	Ward, Sir Arthur Hugh	Doctor of Science	Dunmore, John	Doctor of Literature
1992	McKenzie, Roy Allan KBE	Doctor of Literature	2007 Dibble, Paul Hugh	Doctor of Fine Arts
	Merton, Donald Vincent	Doctor of Science	Snell, Peter George KNZM, OBE	Doctor of Science
1993	Cowley, Joy OBE	Doctor of Literature	Te Heu Heu Tukino VIII, Sir Tumu	Doctor of Literature
	Garret, Ephra	Doctor of Literature	2008 Bazley, Dame Margaret Clara ONZ	Doctor of Literature
	Kim, Bok Yong	Doctor of Science	Davidson, Grant Michael Norman	Doctor of Science
	Major, Dame Malvina DBE	Doctor of Literature	Russell, David John QSO	Doctor of Commerce
	Reid, Campbell	Doctor of Science	2009 Paterson, Alison Mae ONZM, CNZM	Doctor of Commerce
	Weir, Sir Roderick	Doctor of Science	Royal, Turoa Kiniwe CNZM	Doctor of Literature
1994	Dingley, Joan Majorie	Doctor of Science	Turner, Donald Harvey	Doctor of Science
	Elwood, Brian George Conway	Doctor of Literature	2010 Monopoli, Bronwyn Anne MBE	Doctor of Commerce
	Wiffen, Joan	Doctor of Science	Gould, Nigel James, ONZM	Doctor of Commerce
1995	Levene David Raymond OBE	Doctor of Literature	Bewley, Donald Robert	Doctor of Literature
	Yates, Philip Seabrook	Doctor of Science	Callaghan, Sir Paul Terrance GNZM	Doctor of Science
1996	Low, Kevin William	Doctor of Science	McLeavey, Peter Joseph ONZM	Doctor of Fine Arts
	McGredy, Samuel Darragh	Doctor of Science	2011 Mateparae, Jeremiah (Jerry) GNZM, ONZM	Doctor of Literature
	Waters, Sir Thomas Neil Morris	Doctor of Science	Sylvester, Kate Elizabeth	Doctor of Fine Arts
	Whiting, Cliff	Doctor of Literature	Taylor, Richard Leslie, KNZM, ONZM	Doctor of Fine Arts
	Williams, John Rolan	Doctor of Commerce	Templeton, Ian Campbell, CNZM, OBE	Doctor of Literature
1997	Hunter, Jane CNZM	Doctor of Science	2012 Harré, Horace Romano (Rom)	Doctor of Literature
1998	Williams, Hon Justice Hugh	Doctor of Literature	Snook, Ivan Augustine	Doctor of Literature
1999	Johnson, James Garfield	Doctor of Literature	Bollard, Alan Esmond CNZM	Doctor of Commerce
	Blake, Sir Peter OBE	Doctor of Literature	Hancock, Mervyn Wilkinson	Doctor of Literature
	Houstoun, Michael CNZM	Doctor of Literature	2013 McLaren, Donald George	Doctor of Science
	Durie, Hon Justice Eddie	Doctor of Literature	2014 Moncrieff, Dame Suzanne Elizabeth Ralston, DNZM	Doctor of Fine Arts
	Hubbard, Dick	Doctor of Science		
2000	Ireland, Kevin	Doctor of Literature	Murphy, Geoffrey Peter ONZM	Doctor of Literature
			Madame Peng Liyuan	Doctor of Literature

Massey Medal Recipients

- 1990 Rae, Alexander (Al)
1991 Wallace, Julia
1992 Campbell, Ella Orr
1993 Atkinson, Janet Mary (Molly)
Batt, Richard Dean
Campbell, Ian Lorne
Dunmore, John
Frame, Janet
Rockell, Winifred Whiteoak (Win)
Thomson, Keith Westhead
1994 McKegg, Dorothy
Whitwell, Harold Jeffrey (Pat)
1995 Bennett, John Alexander Lowbridge
Dearsly, Mervyn Thomas
1996 Gordon, Ian Alistair
Waters, Joyce Mary
1998 McKenzie, Mina
Neale, Robert
1999 Hancock, Mervyn
Stewart, John J.
2000 Sutcliffe, Devon
2002 Matheson, Ian Roderick, QSM
Simspon, Nola Mary
Skipworth, Mary Sinclair

75th Anniversary Medals celebrating Massey University's 75th Anniversary

- 2002 Bargh, Robyn Rangihuia
Koopman-Boyden, Peggy Gwendoline
Mason, Fay
Hapi, Robin Michael
Wickham, Brian Walter
Ballard, Russell CNZM
Winterbourn, Professor Christine
Bassett, Paddy
2003 Findlayson, Ross
2004 Davies, Gordon Churchill
Wilson, Ian Andrew
2005 Rieger, Paul Warren
2008 Johnson, Noel William
2011 Fielden, Eric Desmond (Des), ONZM
2012 Verstegen, Martin & Verstegen-Spiertz, Mariet
2014 Morris, Roger Stewart, CNZM

Massey University Veterinary 50-year Anniversary Medal celebrating 50 years of Veterinary teaching at Massey University

- Bruère, Arthur Neil
Jolly, Robert D
Kelly, Christopher
Williamson, Norman

DIARY OF KEY DATES

Student Calendar

For start and end dates of semesters and mid-semester breaks, students should check paper and course details on the Massey website as some programmes of study do not follow the dates given here. Selected individual programme dates are provided following the Diary of Key Dates.

Te Kōkī New Zealand School of Music (NZSM) students follow Massey University dates (outlined following) in Manawatū, but follow Victoria University dates in Albany and Wellington.

Administrative Calendar and Statutory Holidays

NB: Dates provided below for Academic Board and University Council are tentative only and could be subject to change.

2014

October 2014

- 1 Enrolment into papers opens for 2015 academic year (unless otherwise stated for programmes requiring selected entry).
Applications for University Halls of Residence and Apartments submitted by this date will be included in the first round of offers for 2015.
Final date for international student applications to Air Transport Pilot programme selection.

November

- 1 Final date for domestic student applications to Air Transport Pilot programme selection.
- 17 Summer School commences.

December

- 3 Due date for new students to apply for admission and enrolment in Semester One or Double Semester 2015.
Due date for all Transfer of Academic Credit/Cross Credit applications for new students who intend to commence study in Semester One.
Final date for applications to Teaching programme selection.
- 11 Semester Two and Double Semester examination results notified about this date.

December

- 5 University Council meets.
- 8 Academic Committee meets.
- 23 University closes at 5.00 pm.

2015

January 2015

- 5 Reporting in person for Summer School January-February classes if required.
- 5 Summer School re-commences.
- 14 Due date for returning domestic students to apply for enrolment in Semester One or Double Semester 2015.
Due date for all Transfer of Academic Credit/Cross Credit applications for returning domestic students who intend to study in Semester One.
- 31 Final date for withdrawal of application for accommodation in University Halls of Residence (Manawatū and Wellington) without forfeit of deposit.

January 2015

- 5 University re-opens.
- 19 Wellington Anniversary Day Holiday, Manawatū campus and Wellington campus.
- 26 Auckland Anniversary Day Holiday, Albany campus.

February

- 1 Final date for applications to graduate at the Auckland ceremony.
- 3 Final day of Summer School lectures.
- 4–6 Study break.
- 9–14 Summer School examinations.
- 9 Paper Guides normally available on Stream for Semester One and Double Semester papers.
- 11 Due date for returning international students to apply for enrolment in Semester One or Double Semester 2015.
Due date for all Transfer of Academic Credit/Cross Credit applications for returning international students who intend to study in Semester One.
- 14 Summer School concludes.
- 16–20 Campus and College pre-semester activities, including reporting in person and welcome sessions.
- 18 Due date for students who are already enrolled in 2015 to add a Semester One paper in distance (extramural) or block mode conditional on availability of remaining places.
- 18 Dispatch of Semester One and Double Semester distance material (where relevant) normally completed for those who enrol on time.
- 23 Semester One and Double Semester commences.
- 27 Due date for students who are already enrolled in 2015 to add a Semester One or Double Semester paper in Internal mode conditional on availability of remaining places.

February

- 6 Waitangi Day.
- 9 Academic Committee meets.
- 18 Academic Board meets.

Student Calendar

March

- 1 Final date for applications to graduate at Palmerston North and Wellington ceremonies.
- 9 Summer School results notified about this date.
- 31 Final date for payment of outstanding fees for Semester One and Double Semester papers.

April

- 1 Final date for international student application to Air Transport Pilot programme selection.
- 3–17 Mid-Semester One break (study and field trips, internal; distance learning (extramural) contact courses).
- 20 Semester One resumes.
- 21–24 Graduation ceremonies, Auckland.
- 22 Celebration to honour Pasifika graduates, Auckland.
- TBC Celebration to honour Māori graduates, Auckland.

May

- 1 Final date for Domestic student application to Air Transport Pilot programme selection.
- 1 Final date for applications for Veterinary programmes selection.
- 1 Due date for all new international students to apply for admission and enrolment in Semester Two 2015 conditional upon availability of remaining places.
Due date for all Transfer of Academic Credit/ Cross Credit applications for new international students who intend to commence study in Semester Two.
- 11–14 Graduation ceremonies, Palmerston North.
- TBC Celebration to honour Pasifika graduates, Palmerston North.
- 14 Celebration to honour Māori graduates, Palmerston North.
- 28 Graduation, Wellington.
- 29 Celebration to honour Māori graduates, Wellington.
Celebration to honour Māori and Pasifika graduates, Wellington.
Final day of Semester One lectures.

June

- 2–5 Study break.
- 8–20 Semester One examinations.
- 20 Semester One concludes.
- 22 June–10 July
Mid-year break (Distance learning (extramural) campus courses).
- 24 Due date for all new Domestic students to apply for admission and enrolment in Semester Two 2015, conditional on availability of remaining places.
Due date for all Transfer of Academic Credit/Cross Credit applications for new Domestic students who intend to commence study in Semester Two.
- 29 Paper Guides normally available on Stream for Semester Two papers.

July

- 1 Due date for returning domestic and international students to apply for enrolment in Semester Two 2015, conditional on availability of remaining places.
Due date for all Transfer of Academic Credit/Cross Credit applications for returning students who intend to study in Semester Two.
- 8 Due date for students who are already enrolled in 2015 to add a Semester Two paper in distance (extramural) or block mode conditional on availability of remaining places.
- 8 Dispatch of Semester Two distance material (where relevant) normally completed for those who enrol on time.
- 9 Semester One examination results notified about this date.
- 10 Reporting in person all campuses If required.
- 13 Semester Two commences.
- 17 Due date for students who are already enrolled in 2015 to add a Semester Two paper in internal mode conditional on availability of remaining places.
- 31 Final date for payment of outstanding fees for Semester Two papers.

Administrative Calendar and Statutory Holidays

March

- 6 University Council meets.
- 9 Academic Committee meets.
Final date to consider Committee for University Academic Programmes (CUAP) proposals for round one.
- 18 Academic Board meets.

April

- 1 Academic Committee meets
- 3–7 Easter break.
- 8–17 Conferences at the Manawatū campus.
- 15 Academic Board meets.
- 21–24 Graduation – Auckland.
- 27 Anzac Day observation.

May

- 1 Deadline for submission of Academic Proposals to CUAP Round One.
- 1 University Council meets.
- 4 Academic Committee meets.
- 11–14 Graduation – Palmerston North.
- 28 Graduation – Wellington.

June

- 1 Queen's Birthday observance.
- 8 Academic Committee meets; final date for considering changes to the 2016 University Calendar.
- 17 Academic Board meets.
- 22 June–10 July
Conferences at the Manawatū campus.

July

- 3 University Council meets.
- 6 Academic Committee meets.
Final date to consider Committee for University Academic Programmes (CUAP) proposals for round two.
- 15 Academic Board meets.

Student Calendar

August

24–4 Sept

Mid-Semester Two break (study and field trips, internal; distance learning (extramural) contact courses).

September

1 Final date for applications to graduate at the Palmerston North November ceremony.

7 Semester Two resumes.

October

1 Enrolment into papers opens for 2016 academic year (unless otherwise stated for programmes requiring selected entry).

1 Final date for applications for NZ School of Music students to graduate at Victoria University December ceremony.

1 Applications for University Halls of Residence and Apartments submitted by this date will be included in the first round of offers for 2016.

16 Final day of Semester Two lectures.

19–23 Study break.

27–11 Nov

Examinations for Semester Two and Double Semester papers.

28 Due date for all new students to apply for admission in Summer School 2015, conditional on availability of remaining places.

Due date for all Transfer of Academic Credit/Cross Credit for all applications for new students who intend to commence study in Summer School.

November

2 Paper Guides normally available on Stream for Summer School papers.

4 Due date for returning domestic and international students to apply for enrolment in Summer School 2015, conditional on availability of remaining places.

Due date for all Transfer of Academic Credit/Cross Credit applications for returning students who intend to study in Summer School.

9 Dispatch of Summer School distance material (where relevant) normally completed for those who enrol on time.

11 Semester Two ends.

Due date for students who are already enrolled in 2015 to add a Summer School paper in distance (extramural) or block mode conditional on availability of remaining places.

16 Summer School commences.

20 Due date for students who are already enrolled in 2015 to add a Summer School paper in Internal mode.

27 Graduation ceremonies, Palmerston North.

December

4 Final date for payment of outstanding fees for Summer School papers.

10 Semester Two and Double Semester examination results notified about this date.

23 Last day of Summer School lectures for 2015.

Administrative Calendar and Statutory Holidays

August

10 Academic Committee meets.

19 Academic Board meets.

24–4 Sept

Conferences at the Manawatū campus.

September

1 Deadline for submission of Academic Proposals to CUAP Round Two.

4 University Council meets.

14 Academic Committee meets.

October

2 University Council meets.

12 Academic Committee meets.

21 Academic Board meets.

26 Labour Day.

November

9 Academic Committee meets.

18 Academic Board meets.

27 Graduation – Palmerston North.

December

4 University Council meets.

14 Academic Committee meets.

23 University closes at 5.00 pm.

2016

January 2016

5 Summer School resumes.

January 2016

5 University re-opens.

25 Wellington Anniversary Day Holiday, Manawatū campus and Wellington campus.

February 2016

9 Final day of Summer School lectures.

15–20 Summer School examinations.

20 Summer School concludes.

February 2016

1 Auckland Anniversary Day Holiday, Albany campus

8 Waitangi Day.

Appendix B: 2015 Semester Dates for Specified Programmes

	University Wide Semester Dates	Initial Teacher Education programmes	Institute of Education		School of Aviation Bachelor of Aviation (Air Transport Pilot)
			Graduate Diploma Teaching (Primary)	Graduate Diploma Teaching (Secondary)	
Semester One Begins	23 Feb	2 Feb Te Aho Tātairangi 26 Jan	26 Jan	26 Jan	Returning Students 12 Jan New Intake Orientation (compulsory) 20 Jan
Mid Semester One Break (incl Easter)	3–17 Apr	3–17 Apr Te Aho Tātairangi 3–12 Apr	3–17 Apr	3–17 Apr	3–12 Apr
Semester One Ends	20 June	20 Jun	26 Jun	26 Jun	26 June
Mid Year Break	22 June–10 Jul	22 Jun–3 Jul	29 Jun–12 Jul	29 Jun–12 Jul	26 June–10 July
Semester Two Begins	13 Jul	6 Jul	13 Jul	13 Jul	Returning Students 13 July New Intake Orientation (compulsory) 10 Jul
Mid Semester Two Break	24 Aug–4 Sep	28 Sept– 2 Oct	28 Sept–9 Oct	28 Sept– 9 Oct	24–30 Aug
Semester Two Ends	11 Nov	11 Nov	27 Nov	11 Nov	18 Dec
Summer School begins	16 Nov				Not applicable
Mid Semester Break	23 Dec 2015– 5 Jan 2016				
Summer School Ends	13 Feb 2016				

MASSEY UNIVERSITY QUALIFICATIONS

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Admission Regulations

- Enrolment at Massey University requires completion of three processes, admission to the University, admission to a specific qualification, and enrolment for a programme. These processes may be completed either separately or together.
- Admission may be granted conditionally in the case of students who have not yet met the requirements for entry to University. At the appropriate time prior to the commencement of an enrolment period the University initiates offers of places in programmes in response to Enrolment Applications. For doctoral students after the first Enrolment Application the doctoral students must accept an Offer of Place and receive a Confirmation of Enrolment for successive years.
- Applicants who intend to enrol for tuition in an imminent enrolment period but who have not previously obtained admission to Massey University should apply for admission and enrolment simultaneously by submitting an Enrolment Application and by accepting any Offer of Place. Enrolment in this case will remain conditional upon admission being finalised.
- The final dates by which Enrolment Applications must be made are advised under the Enrolment Regulations. Enrolments are regarded as being stabilised four weeks from the commencement of a semester for purposes of reporting to the Ministry of Education.
- Admission to Massey University does not of itself constitute entitlement to be enrolled for tuition in any particular qualification or enrolment period.
- Massey University operates a preferential score admission scheme for admission to undergraduate qualifications. Applicants to undergraduate qualifications will be assessed and eligible applicants will be offered a place in a qualification.

Matriculation Regulations

Matriculation

- Every candidate for an undergraduate degree, diploma or certificate, or for a certificate of proficiency in a paper of any degree shall have matriculated or been admitted with equivalent status.

Academic Qualification for Matriculation

- Every person shall be academically qualified to matriculate at the University who:
 - is academically qualified for entrance to a university on the basis of the National Certificate of Educational Achievement (NCEA) as promulgated by the New Zealand Qualifications Authority at <http://www.nzqa.govt.nz/>; or
 - has qualified for entrance to a university on the basis of the New Zealand University Entrance, Bursaries and Scholarships Examination prior to 2005, or the University Bursaries Examination prior to 1993, or New Zealand University Entrance (by accrediting or examination) prior to 1986; or
 - has matriculated at any university in New Zealand; or
 - is granted Special Admission; or
 - is granted Discretionary Entrance under the Discretionary Entrance regulations or Provisional Entrance under the regulations applying in 2003; or
 - is a New Zealand Citizen or Permanent Resident and has attained the age of 20 years by the final date for acceptance of late Enrolment Applications for the enrolment period in which study is commenced.

Minimum Age

- Applicants shall not be eligible to matriculate unless they have attained the age of 16 years by the start of their study.

Responsibilities

- At the time of acceptance of an Offer of Place, every student shall promise to obey the statutes, regulations and rules of the University, and shall provide evidence of date of birth and citizenship and of eligibility to matriculate.
- Persons who are eligible to matriculate under these Regulations may matriculate by having their names enrolled on the books of the University as matriculated students. The University Council may decline (under statutory authority) to matriculate a person in special cases.

English Language Competency

- Both English and Te Reo Māori are recognised as official languages in New Zealand. Tuition, examination and assessment at Massey University is normally in the English language, although students may be required to write or speak Te Reo Māori or foreign languages in some papers. Procedures also exist for those students who wish to submit written work or examinations in Te Reo Māori.
- It is expected that on entry to Massey University all students will be able to:
 - write grammatically correct English. Students must be able to develop ideas and to express themselves in well-structured, accurate and extended written English. Typically essays or reports of about 1,000 words are expected of first-year students. Even in papers where mathematical and scientific symbols are the main means of expression, the ability to write clear, accurate English is still needed.

Most assignments and examinations use essays and reports as the main type of written work.

- read English actively and with understanding. Students must be able to find relevant information, without special guidance, to follow the structure of a narrative, and to comprehend and analyse a line of argument.
 - listen to and discern key points in English. Students must be able to follow complex and technical discussion in both formal lectures and informal groups.
 - speak freely and clearly in English. Students will be expected to contribute actively to discussion and to present ideas in classes.
- The University does not accept responsibility for academic failure that is attributable to a student’s lack of competence in English. Students whose

prior education was not in English are advised to take 192.101 English for Academic Purposes for Speakers of Other Languages in their first year at Massey to improve their preparedness to study at university level.

4. International students – all international students whose first language is not English will be required to provide satisfactory evidence of their proficiency in English, in the form of an Academic IELTS or TOEFL score, an equivalent recognised English language test, or other such evidence that is acceptable to Academic Board. The required IELTS and TOEFL scores are as follows:
 - (a) IELTS – Academic IELTS (International English Language Testing System) score of 6.0 for undergraduate programmes with no band less than 5.5, and 6.5 for postgraduate programmes with no band less than 6.0.
The Massey University centre for Professional and Continuing Education is a registered IELTS testing centre. Results are usually available two weeks after candidates have sat a test.
 - (b) TOEFL – (Princeton Test of English as a Foreign language) score of 550 paper based test (213 computer-based test or 80 internet-based test) for undergraduate students and 575 paper-based test (232 computer-based test or 90 internet-based test) for postgraduate

students. An additional TWE (Test of Written English) score of 4 (Essay Rating 4.0 or Writing 19 for undergraduate students, 20 for postgraduate students) is required. TOEFL tests listening comprehension, knowledge of grammar, vocabulary and reading comprehension. TWE (Essay Rating or Writing) tests ability to write sustained English prose.

- (c) Some programmes have higher English language entry requirements. Contact the International Office for details.
5. New Zealand school leavers – New Zealand students (including permanent residents) and international students must gain a university entrance qualification, which includes literacy and numeracy requirements, as set out by the NZQA.
6. Other students whose first language is not English, and who have not gained a New Zealand university entrance qualification, or an overseas entrance qualification in a country where the main language is English, will also be required to provide satisfactory evidence of their proficiency in English in the form of an academic IELTS or TOEFL score or other such evidence that is acceptable to the Academic Board.
7. English language competency requirements for foundation studies and pre-degree level programmes are available from the International Office.

Discretionary Entrance Regulations

1. A person under the age of 20 years who does not meet the University Entrance standard, but:
 - (a) is a citizen or permanent resident of New Zealand or Australia;*
 - (b) is at least 16 years of age and under 20 on the first day of the semester in which they wish to study, and
 - (c) has not otherwise qualified for admission may apply for Discretionary Entrance.
* Australian applicants' most recent year of schooling must have been in New Zealand.
2. Discretionary Entrance applicants are expected to have a very good academic record. The normal criteria for consideration for Discretionary Entrance are:
 - (a) has received secondary schooling to at least New Zealand Year 12 level (or its equivalent overseas); and
 - (b) has achieved a minimum of 72 credits at NCEA Level 2 including 14 credits in each of four subjects (three of which must be approved subjects) with a majority of credits at Merit or Excellence; and

- (c) has met the literacy and numeracy standards required for University Entrance, or their equivalents.
3. Discretionary Entrance is granted to a nominated under-graduate qualification.
4. Persons who attempt to qualify for University Entrance in Year 13, but who fail to do so, may be considered for mid-year admission in the year following their NCEA assessment in universities where this is permitted. Admission will be at the discretion of the university concerned.
5. A person studying at a New Zealand secondary school, who is attempting to qualify for entrance to university, may apply for Discretionary Entrance in the same year for the purpose of enrolling in papers offered in a Summer School by a university. Any person admitted under this Regulation who does not, in the following January, meet the University Entrance standard will be required to withdraw from the university and may re-apply for admission at mid-year. Students required to withdraw may complete their Summer School programme before doing so, but any papers passed will not be credited to a qualification until a University Entrance qualification is gained.

Admission with Equivalent Status Regulations (Admission Ad Eundem Statum)

1. Subject to the provisions of the Education Act 1989 and to the provisions of these Regulations, the Academic Board may admit any person with equivalent status to candidature in any degree or other academic qualification or part thereof. Admission with equivalent status (AES) means 'admission granted to applicants with the status of the holder of the required qualification'. AES admission is usually programme-specific and may have conditions attached.
2. An applicant for Admission with Equivalent Status shall lodge an Enrolment Application by the published due dates in order for applications to be fully considered and processed.

Admission at Entrance Level

3. The Academic Board may grant admission to an undergraduate degree, diploma or certificate, or for a certificate of proficiency in a paper of any degree, with status equivalent to that of a person academically qualified for entrance to a university in New Zealand on the basis of study at a secondary or tertiary institution in New Zealand or overseas. In the case of holders of overseas diplomas or certificates, applications shall be considered on the basis of academic work completed and not on qualifications obtained. Credit may be awarded for tertiary study

on the basis of the Recognition of Formal and Informal Prior Learning regulations.

Admission with Graduate Status

4. Admission with Graduate Status for Postgraduate Qualifications
The Academic Board may grant admission to the status of the holder of a degree with the right to proceed to a specific higher diploma or higher degree with or without Honours, provided that the applicant complies with any prerequisite prescribed or required by Academic Board for such degree or diploma. The University will only consider applications for admission with equivalent status to postgraduate qualifications on the basis of completed academic work that is equivalent, or substantially corresponds to coursework in this University.
5. Admission with Graduate Status for Graduate Qualifications
Academic Board may grant admission to the status of the holder of a degree with the right to proceed to a specific graduate diploma or certificate, to an applicant who demonstrates practical, professional or scholarly experience of an appropriate kind and equivalent to that of a graduate. The applicant may be required to comply with any prerequisite prescribed for such diploma or certificate, or for any specific paper.

Special Admission Regulations

1. In exceptional cases, a New Zealand Citizen or Permanent Resident who does not hold a university entrance qualification and who does not qualify under Matriculation Regulation 2(f) may apply for special permission to enter the university. In assessing whether to grant Special Admission in a particular case, the Assistant Vice-Chancellor – Research, Academic and

Enterprise, under delegated authority from the University Council, will consider:

- (a) whether the applicant has met a standard equivalent to that required under the Matriculation regulations; and
- (b) evidence of the applicant's preparedness for university study.

Personal Interest

Applicants who do not wish to enrol for a qualification, may be considered for enrolment in accordance with the Certificate of Proficiency Regulations in which case the Admission Regulations apply. Alternatively applicants

may register in a professional or continuing education course offered by the University based on the entry requirements for that course as published from time to time.

General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates

These General Regulations are to be read in conjunction with all other Statutes and Regulations of the University and the Qualification Regulations specific to each Undergraduate Degree, Diploma and Certificate, Graduate Diploma and Graduate Certificate offered by the University.

Admission

1. Students must satisfy the admission requirements of the University and the programme in which they wish to enrol.

Academic Requirements

2. An undergraduate or graduate qualification will consist of a number of credits accumulated from papers, as specified in the Qualification Regulations.
3. Every course of study will comply with any specified prerequisites, co-requisites and restrictions requirements. This applies to papers specific to that qualification or, where allowed within the relevant regulations, to approved papers able to be selected from other qualifications or subjects.
4. Students may be credited with restricted passes. A student with a restricted pass in any paper may subsequently enrol in the same paper in order to attempt to improve the grade of pass. However, the paper can be credited only once. The maximum credits able to be credited from restricted passes are 60 for a 480 credit degree; 45 for a 360 credit degree; 30 for a 240 credit diploma and 15 for a 120 credit certificate or diploma; No R passes are permitted in a 60 credit certificate. A restricted pass will not qualify as a pass for prerequisite purposes.

Specialisations

5. Qualifications for which specialisations, such as majors, minors, subjects or endorsements, are listed may have these specified at the time of course approval by the Academic Board. With the exception of minors, the degree, diploma, or certificate completed by the student will state the specialisation.

Student progression

6. Students may not normally enrol for any 200-level paper unless they have passed at least 45 credits at 100-level, nor enrol for any 300-level paper unless they have passed at least 45 credits at 200-level.
7. Students who wish to take a paper for which they do not have the prerequisite(s) may make a case for admission to the relevant Head of School or Programme Director concerned.

Maximum Time to Completion

8. Unless otherwise specified in the Qualification Regulations there will be an 8-year maximum time for completion of any one Massey University undergraduate or graduate qualification.
9. Students who have been inactive for a period of 3 consecutive years will be deemed to have abandoned their qualification. Abandonment releases the University from its obligation to ensure a qualification can be completed. Students may be permitted to re-enrol in a subsequent current qualification should they meet the entry requirements; credits previously achieved will be assessed and applied in accordance with current regulations.

Variations and Personal Course Approvals

10. The Academic Board may, in such cases as it thinks fit, approve a personal programme of study which does not conform with the Regulations for that degree, diploma or certificate while still conforming to the academic standards of the qualification.

The following rules will apply:

- (a) There must be a compelling academic case to merit the variation, or;
- (b) There must be evidence of exceptional circumstances and/or hardship to the student.
- (c) Variations will receive appropriate academic authorisation under delegation from Academic Board and be formally documented.
- (d) The variation will be recorded on the student's academic record.
- (e) Personal course approvals will not normally permit a reduction in the total amount of credit required to complete a qualification.
- (f) The extent of variation cannot jeopardise the integrity of the qualification. To this end there will be a limit on the extent to which a qualification can be varied. The maximum amount of credit varied will relate to the size of the qualification as follows:

120 credit qualification	15 credits
240 credit qualification	30 credits
360 credit qualification	45 credits
480 credit qualification	60 credits

- (g) Variations will not normally be permitted in 60-credit qualifications.
- (h) Except where the special circumstances apply to a cohort of students (for example when transitioning students as a result of programme closure or paper unavailability) variations will only be considered on a case-by-case basis and will not set a precedent.

Transitional Provisions

11. The University reserves the right to introduce such changes as it may judge to be necessary or desirable, including the addition, restructuring or withdrawal of qualifications, regulations and/or papers. Reasonable provisions will be made to enable students to complete any qualification which is discontinued or has its structure substantially altered, but such provision will not extend beyond the permitted time to completion.

Limitation of Entry

12. For any courses of study offered by the University, the University Council (by its delegate) may limit the number of students enrolled in the courses of study or training each year because of insufficiency of staff, accommodation, or equipment. Accordingly, where the number of applications for the particular courses exceeds the number of places available, then Massey University will select from the applicants the students to be enrolled in the course of study.

General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates

These General Regulations are to be read in conjunction with all other Statutes and Regulations of the University and the Qualification Regulations specific to each Postgraduate Degree, Diploma and Certificate offered by the University.

Admission

1. Admission to a Postgraduate certificate, Postgraduate diploma, 120-credit Bachelor (Honours) or a Master's degree requires that the student will:
 - (a) have made formal application for admission to postgraduate study for the specified programme; and
 - (b) (i) have qualified for the award of a relevant Bachelor's degree with a grade average that demonstrates an adequate level of preparation for the postgraduate programme; or
(ii) have an approved academic qualification of similar standing to the relevant Bachelor's degree; or
(iii) have been granted admission with equivalent status as entitled to proceed to the specified Postgraduate degree, diploma or certificate; and,
where appropriate to a specific qualification:
 - (i) provide evidence of practical/professional experience of an acceptable standard in an area(s) relevant to the qualification; or
 - (ii) on the request of the Academic Board, carry out such work and satisfy such assessments as the Board may determine to be necessary for admission.
 - (c) (i) provide evidence of practical/professional experience of an acceptable standard in an area(s) relevant to the qualification; or
(ii) on the request of the Academic Board, carry out such work and satisfy such assessments as the Board may determine to be necessary for admission.

Academic Requirements

2. (a) A postgraduate qualification will consist of a number of credits accumulated from taught papers and/or research papers, as specified in the Qualification Regulations.
 - (b) For the award of the degree, diploma or certificate a pass is required in each paper in the qualification. Normally, a student may re-enrol and be re-examined only once in a failed paper.
 - (c) Restricted passes are not normally permitted at postgraduate level.

Research Reports and Theses

3. (a) A research report will consist of a minimum of 30 credits; a thesis will consist of a minimum of 90 credits.
 - (b) The research component of postgraduate programmes will be 0, 30, 45, 60, 90 or 120 credits with the proviso that the Bachelor (Honours) degree will normally have a minimum research component of 30 credits and those Master's degrees that require a research component will normally have a minimum of 45 credits of research.
 - (c) Postgraduate diplomas and certificates may have a research component of zero credits and consist entirely of taught papers.
 - (d) For thesis papers that are offered for enrolment as Part One and Part Two, candidates are required to precede their enrolment in Part Two with enrolment in Part One.

Student Progression

4. (a) Students will normally have completed their 700-level paper requirements prior to enrolling in the thesis paper.
 - (b) (i) 120-credit Bachelor (Honours) degrees will be awarded as First Class Honours, Second Class Honours Division I, Second Class Honours Division II or Third Class Honours. Bachelor (Honours) degrees must be completed within one year of first enrolling in full-time study or within three years of first enrolling in part-time study.
(ii) Postgraduate diplomas and 120-credit Master's degrees will carry the award of Distinction if completed at a superior standard (equivalent to First Class Honours), or Merit (equivalent to Second Class Honours, Division One) within one year of first enrolling in full-time study or within three years of first enrolling in part-time study.
(iii) 180-credit Master's degrees may carry the award of Honours or Distinction or Merit as determined in accordance with the regulations for the qualification.

(iv) 240-credit Master's degrees will be awarded with First Class Honours, Second Class Honours Division I, Second Class Honours Division II or a pass. To qualify for the award of honours, 240-credit Master's degrees must be completed within two years of first enrolling for full-time study or within five years of first enrolling for part-time study.

(v) These periods may, in special circumstances, be amended/extended by the Academic Board. The Academic Board may also in special circumstances permit students to suspend their course of studies for an approved period.

Specialisations

5. Qualifications for which specialisations, such as endorsements or subjects, are listed may have these specified as specialisations at the time of course approval. The degree, diploma, or certificate completed by the student will state the specialisation.

Maximum Time to Completion

6. Unless otherwise specified in the Qualification Regulations there will be time limits for completion as follows:
 - (a) 60-credit Postgraduate Certificates must be completed within a maximum of two years.
 - (b) 120-credit Postgraduate Diplomas must be completed within a maximum of four years.
 - (c) 120-credit Masterates must be completed within a maximum of four years.
 - (d) 180-credit Masterates must be completed within a maximum of five years.
 - (e) 240-credit Masterates must be completed within a maximum of six years.
 - (f) 120-credit Bachelor (Honours) must be completed within one year of first enrolling for full-time study or within three years of first enrolling for part-time study.

Where credit has been transferred in accordance with Recognition of Prior Learning Regulation 2(c), the above time limits may be pro-rated when calculating maximum time limits for completion.

Time limits may be waived, at the discretion of the University, where a student exits with a qualification of lesser credit.

7. Students who have been inactive for a period of three consecutive years will be deemed to have abandoned their qualification. Abandonment releases the University from its obligation to ensure a qualification can be completed. Students may be permitted to re-enrol in a subsequent current qualification should they meet the entry requirements; credits previously achieved will be assessed and applied in accordance with current regulations.

Variations and Personal Course Approvals

8. The Academic Board may, in such cases as it thinks fit, approve a personal programme of study which does not conform with the Regulations for that degree, diploma or certificate while still conforming to the academic standards of the qualification.

The following rules will apply:

- (a) There must be a compelling academic case to merit the variation, or;
- (b) there must be evidence of exceptional circumstances and/or hardship to the student.
- (c) Variations will receive appropriate academic authorisation under delegation from Academic Board and be formally documented.
- (d) The variation will be recorded on the student's academic record.
- (e) Personal course approvals will not normally permit a reduction in the total amount of credit required to complete a qualification.
- (f) The extent of variation cannot jeopardise the integrity of the qualification. To this end there will be a limit on the extent to which a qualification can be varied. The maximum amount of credit varied will relate to the size of the qualification as follows:

120 credit qualification	30 credits
180 credit qualification	30 credits
240 credit qualification	30 credits

- (g) Variations will not normally be permitted in 60-credit qualifications.
- (h) Except where the special circumstances apply to a cohort of students (for example when transitioning students as a result of programme

closure or paper unavailability) variations will only be considered on a case-by-case basis and will not set a precedent.

Transitional Provisions

- 9. The University reserves the right to introduce such changes as it may judge to be necessary or desirable, including the addition, restructuring or withdrawal of qualifications, regulations and/or papers. Reasonable provisions will be made to enable students to complete any qualification which is discontinued or has its structure substantially altered, but such provision will not extend beyond the permitted time for completion.

Cases of Hardship – Vice-Chancellor’s Power

In any case where it is shown to the satisfaction of the Vice-Chancellor that any alteration or amendment of a University statute or Regulation involving a change in a programme or in examination requirements has caused hardship to a student, the Vice-Chancellor may make such provisions as is thought fit

for the relief of such hardship. The student may appeal the decision of the Vice-Chancellor to the Council, which may make such provisions as it thinks fit.

Recognition of Formal and Informal Prior Learning

Massey University recognises prior learning achieved within both formal and informal settings. Credit is awarded for completed tertiary qualifications, for incomplete tertiary qualifications, and for informal learning, as detailed below.

Types of Massey University Credit That May Be Awarded

- 1. Credit will be awarded at an appropriate level for the content of the qualifying paper. Credit may be:
 - (a) For a specified Massey University paper, identified by paper number.
 - (b) In a specified subject at a specified level, but not specifying a paper number. The credits may count towards majoring or minoring requirements (specialisation credits), where relevant. They may be designated as part of a particular qualification schedule (qualification credits) or, if not, simply count towards the qualification (elective credits).
 - (c) Specified by level, but not by subject (elective credits). Elective credits count towards the qualification, but not to any major or minor and they may not be designated as part of a particular qualification schedule.
 - (d) Under the provisions of Clause 19 below, for specified assessment(s) towards a specified Massey University paper.

Minimum Credits to be Completed Through Massey University

- 2. A student shall be required to complete at least the following through Massey University to be awarded a Massey University qualification:
 - (a) For a 360-credit undergraduate degree, at least 105 credits.
 - (i) At least 60 300-level credits in the degree, including the 300-level credits required for a major subject(s).
 - (ii) Where a minor subject(s) is required or permitted within the degree, at least 30 credits in the minor subject including at least 15 300-level credits, unless otherwise specified in the degree regulations.
 - (b) For a 480-credit undergraduate degree, 120 credits at the highest level in the degree, including all 400- and 700-level credits.
 - (c) For a postgraduate or graduate qualification, three-quarters of the credits required.
 - (d) For a sub-degree or degree-level diploma or certificate, half of the credits required.
- 3. A student who earned transfer credit to an undergraduate degree while on an official Massey University Student Exchange programme shall be required to complete at least the following through Massey University to be awarded a Massey University qualification. The remaining credits specified by Regulation 2(a) or 2(b) may be completed through the Exchange partner.
 - (a) For a 360-credit undergraduate degree, normally 105 credits including 30 300-level credits, which must be part of the majoring requirements unless a major is not required by the degree Regulations.
 - (b) For a 480-credit undergraduate degree, at least 60 credits from the fourth year of the degree.

Cross-credits

- 4. The term ‘cross-credit’ refers to credit granted on the basis of a completed qualification at Massey University or another approved tertiary institution. Cross-crediting also applies where a student completes the courses of study for two qualifications at the same time and wishes to credit one or more papers to both qualifications. Except as provided by these Cross-credit Regulations, a student shall receive credit only once for each paper and shall not credit to separate degrees two papers with substantially the same content.
- 5. Credit shall not be granted for the same paper in more than two courses of study.
- 6. Unless otherwise specified in the Regulations for a particular qualification, students may cross-credit 100- or 200-level papers that are common to both courses up to the following maximum values:
 - (a) Where one course is a 60-credit undergraduate certificate and the other is a 120-credit or greater undergraduate qualification, 15 credits, which shall normally be at 100-level.
 - (b) Where one course is a 120-credit undergraduate qualification and the other is a 360-credit or greater undergraduate degree, 45 credits, which shall normally be at 100-level.
 - (c) Where one course is a 240-credit undergraduate diploma and the other is a 360-credit or greater undergraduate degree, 75 credits, which shall normally be at 100-level.
 - (d) Where both courses are 360-credit undergraduate degrees, 120 credits at 100-level or 200-level, of which a maximum of 45 shall normally be at 200-level.
 - (e) Where one course is a 360-credit undergraduate degree and the other is a Massey University 480- or 600-credit undergraduate degree, 180 credits at 100-level or 200-level, of which a maximum of 90 shall normally be at 200-level.
- 7. No paper at 300-level or above shall be cross-credited to another qualification.
- 8. Papers may not be cross-credited to or from a postgraduate diploma, postgraduate certificate, graduate diploma or a graduate certificate unless specifically stated otherwise in the Regulations for that diploma or certificate.
- 9. Where, because of these Regulations, students are unable to cross-credit a paper that is compulsory in the second programme, they may substitute such other paper as the Academic Board may approve.
- 10. The maximum number of credits that can be cross-credited from completed qualifications is 120, irrespective of the number of qualifications completed, unless Regulation 6(e) above applies or a higher maximum is specified in the Regulations for the destination qualification.

Transfer of Credit

- 11. Credit may be transferred from an incomplete qualification, at Massey University or another approved tertiary institution. Application for transfer of credit is a statement from the student that they do not intend to complete the original qualification at a later date.

12. Students may be assessed under the Transfer of Credit Regulations, rather than the Cross-credit Regulations, if they have been awarded a Massey University certificate or diploma, or a Wellington Polytechnic equivalent, and they surrender the certificate or diploma.
13. Massey University qualifications may be surrendered toward another Massey University qualification under the following circumstances:
 - (a) Only certificates and diplomas may be surrendered; degrees may not be surrendered.
 - (b) Papers within the qualification being surrendered are not available for use in another qualification until the surrender process is complete.
 - (c) Surrender of a qualification should be regarded as final; re-conferment of the surrendered qualification would be approved only in exceptional circumstances.
 - (d) Conferred qualifications may not be exchanged for qualifications introduced subsequently unless further credits are completed once the new qualification is approved for award.
 - (e) For any surrender towards Masters degrees, application must be made within five years from the date of completion of the qualification to be surrendered.
 - (f) In all cases the regulations of the destination qualification will apply.
14. The Massey credit value for papers passed at other New Zealand institutions will be obtained by multiplying the Equivalent Full-Time Student (EFTS) value of the papers by 120.
15. Transfer credit will be awarded up to the maximum compatible with the requirements of the destination qualification, except as specified by Regulation 2 above for transfers from other institutions.

Informal Learning

16. (a) Credit for informal learning acknowledges relevant and appropriate skills and knowledge obtained through training, work experience and life experience.
- (b) The principles by which these relevant and appropriate skills and knowledge may be given credit include:
 - (i) credit should be awarded for learning, and not solely for experience itself;
 - (ii) credit should be awarded only for learning that is at the level of the qualification towards which credit is requested;
 - (iii) credit should be awarded only for learning that has a balance, appropriate to the subject, between theory and practical application;

- (iv) credit should be appropriate to the academic context in which it is accepted;
- (v) credit can only be awarded for specified papers (that is regulation 1(b) and 1(c) do not apply to credit for informal learning).

17. Applications for credit for informal learning will be rigorously assessed using normal university procedures, for example:
 - (a) assessment of a portfolio of supporting materials;
 - (b) use of a challenge examination.

Students who are granted credit under this regulation will have had to demonstrate their capability at the same level as students who enrol in and pass the specified paper.

Notice of intention to submit a portfolio or to be examined must be given before the end of the first year of enrolment at Massey University.

18. The maximum credit towards an undergraduate degree from informal learning is 120 credits at 100- or 200-level. The maximum credit towards a sub-degree or degree-level certificate or diploma from informal learning is one-third of the credits required for the qualification. No credit from informal learning towards a graduate or post-graduate qualification is permitted.

Professional Development Through Massey University

19. Credit for Massey University quality assured and delivered professional development courses may be awarded towards a specified paper or paper assessment, subject to prior College Board approval of the credit arrangements.
20. Students may be awarded credit to the following maximum values, unless this is precluded or a lower limit is specified under the Part II regulations for a qualification for:
 - (a) a Sub-Degree Certificate or Diploma, one-half of the credits required for the qualification;
 - (b) an Undergraduate Certificate, Diploma or Degree, one-half of the credits required for the qualification, up to a maximum of 120 credits;
 - (c) a Graduate Certificate or graduate diploma, one-quarter of the credits required for the qualification, up to a maximum of 30 credits;
 - (d) a Postgraduate Certificate or Post-Graduate Diploma, one-quarter of the credits required for the qualification, up to a maximum of 30 credits;
 - (e) a Master's degree, one-quarter of the credits required for the qualification, up to a maximum of 60 credits.

Academic Progress Regulations

Part A: Academic Standing

1. All students are required to make satisfactory academic progress in each enrolment period and maintain an Academic Standing of Good or Excelling.
2. Academic Progress is determined to be satisfactory for a given semester if students pass all of the credits in which they are enrolled for those papers which conclude in that semester.
3. In addition to maintaining an Academic Standing of Good or Excelling, students are required to comply with the Progression and Unsatisfactory Academic Progress regulations for the qualification(s) in which they are enrolled.
4. Student progress is assessed on the results of those papers in which students are enrolled which conclude at the end of the semester, and students are advised of their Academic Standing as soon as practicable after the release of grades.
5. The following levels of Academic Standing may be applied: Excelling, Good, Academic Management, Academic Risk, Excluded Short Term, and Excluded Long Term. The criteria for each level is outlined in the following table:

<i>Academic Standing Criteria</i>		
	Performance during most recent Semester (Awards of WD and Zero credit papers are neutral)	Previous Academic Standing
Excelling	Passed 100% of credits in semester and have cumulatively achieved a grade average of A-(or higher) over credits taken within the preceding 8 academic years.	Excelling; Good; New/New Level*
Good	Passed 100% of credits in semester.	Excelling; Good; Academic Management; New/New Level*
Academic Management	Passed less than 100% of credits in semester Passed 50–99% of credits in semester	Excelling; Good; New/New Level* Academic Management; Academic Risk
Academic Risk	Passed less than 50% of credits in semester First semester of enrolment after Exclusion.	Academic Management Exclusion (Short or Long Term)

Excluded (Short Term)	Passed less than 50% of credits in semester	Academic Risk
Excluded (Long Term)	Passed less than 50% of credits in semester and eligible for Excluded status for second or more time in preceding 8 years (not necessarily consecutive).	Academic Risk

* In accordance with Regulations 6 and 7.

6. Students new to study at Massey University will be advised of their Academic Standing following their first semester of study: possible statuses are Excelling, Good, and Academic Management.
7. Students transitioning from sub-degree to undergraduate level study, and from undergraduate/ graduate to postgraduate level study, will have their Academic Standing assessed and awarded in accordance with these regulations, on the conclusion of their first semester of study at the higher level.
8. Students returning to Massey University following a University Exclusion imposed prior to the 2014 Academic Year will have an Academic Standing of Academic Risk upon their reenrolment.
9. Students returning to Massey University following a College Exclusion imposed prior to the 2014 Academic Year will have an Academic Standing of Academic Management upon their reenrolment.
10. All other returning students will have their Academic Standing assessed and awarded in accordance with these regulations, on the conclusion of their first semester of enrolment following their return to Massey University from Semester One 2014.
11. The following additional levels of Qualification-Specific Academic Standing may be applied: Qualification Exclusion. Qualification Exclusion will apply when a student meets the requirements for exclusion as outlined in Part C.

Part B: Unsatisfactory Academic Progress

12. Academic Progress is considered to be unsatisfactory if students fail to obtain a pass in one or more papers in which they are enrolled and which conclude in that semester.
13. Any student who fails to obtain a pass in a paper for which that person has been enrolled on two occasions will be excluded from enrolling in that paper for a period of 12 months.
14. Massey University defines the grades of D, E, F, and DNC as failing grades. Awards of WD and zero credit papers are neutral for the purposes of calculating Academic Standing.
15. Students with an Academic Standing of Academic Management may be required to participate in an academic support initiative(s) at the discretion of the University.
16. Students with an Academic Standing of Academic Risk will be restricted to enrolment in a maximum of 30 credits per semester and may be required to participate in an academic support initiative(s) at the discretion of the University.
17. Subject to Regulation 18, students with an Academic Standing of Academic Risk who fail to obtain a pass in 50 percent or more of the credits in which they are enrolled, will be excluded from the University for a period of 12 months, after which time, and subject to Regulation 20, they may re-enrol.
18. Further to Regulation 17, students who are excluded two or more times within the preceding 8 academic years will be excluded for a period of 3 years and must apply for readmission to the University if they wish to return to study.
19. Applications for readmission under Regulation 18 may be submitted to the AVC (Research, Academic and Enterprise) no earlier than 6 months prior and no later than 2 months prior to the first semester in which they are eligible and in which they seek to re-enrol; permission may be withheld. Applications will not be accepted for readmission into Summer School.
20. The future enrolment of any student who has been excluded will be subject to:
 - (a) Part C; and
 - (b) the University's rights, at law, to refuse to enrol any person; and

- (c) other University prescribed requirements (including (re)selection criteria in courses with a limited number of places available); and
- (d) the outcomes of any misconduct or disciplinary process.
- (e) satisfactory participation in academic support initiatives required in accordance with Regulations 15 and 16 above.

21. Credits from study undertaken elsewhere while excluded from Massey University, or a Massey University programme or paper, cannot be transferred back to Massey University, or to the programme or the paper that the student was excluded from.
22. Except with the prior written permission of the Academic Board (or its delegate), no student shall be enrolled at Massey University on transfer from another University when their academic record is such that had they been enrolled at Massey University then under these or other University Regulations they would qualify for exclusion on the grounds of Unsatisfactory Academic Progress.

Part C: Regulations Relevant to Specific Programmes

23. In addition to regulations 1 to 22 (inclusive) and regulation 43 below, the following regulations regarding exclusion from specific qualifications will apply.
24. For persons enrolled in the, Bachelor of Education (Teaching) Primary/ Diploma in Education Studies, Te Aho Tātaurangi or Bachelor of Speech and Language Therapy the following will lead to exclusion from the programme or College as decided by the Academic Board (or its delegate):
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 75 academic credits of full-time study or failure to pass at least 60% of an approved part-time programme of study in any academic year;
 - (c) failure to complete the degree of Bachelor of Education (Teaching) Primary/Diploma in Education Studies or Te Aho Tataurangi within six years from the date of first enrolment;
 - (d) failure to complete the degree within six years from the date of first enrolment in the Bachelor of Education (Teaching),
 - (e) failure to complete the degree within six consecutive years for candidates enrolled in a Bachelor of Speech and Language Therapy, unless a suspension or extension has been granted under the Completion Requirements clause.

Persons excluded under (a), (b) and either (c) or (d) above will only be re-admitted to the Bachelor of Education (Teaching) degree, Bachelor of Education (Teaching) Primary/Diploma in Education Studies degree, or the Te Aho Tātaurangi degree, with the approval of the Academic Board. Students of the Bachelor of Speech and Language Therapy degree excluded under (a), (b) or (d) above will not be re-admitted to the degree.

25. For persons enrolled in the Graduate Diploma of Teaching (Early Childhood Education), Graduate Diploma of Teaching (Primary) or Graduate Diploma of Teaching (Secondary) the following will lead to exclusion from those programmes of study:
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 60 academic credits of full-time study or failure to pass at least 50% of an approved part-time programme of study in any academic year;
 - (c) failure to complete the diploma within two years from the date of first enrolment

Persons excluded under (a), (b) and (c) above will only be re-admitted to the Graduate Diploma of Teaching (Early Childhood Education), Graduate Diploma of Teaching (Primary) or Graduate Diploma of Teaching (Secondary) programme with approval of the Academic Board. Any appeal against exclusion will be considered by a committee established by the College Pro Vice-Chancellor or nominee.

26. For persons enrolled in the Bachelor of Veterinary Science, the following will lead to exclusion from that programme:
 - (a) failure of the Second Examination;
 - (b) failure to complete either the Third, Fourth, Fifth or Sixth Examination in two successive attempts;

- (c) failure to complete the requirements of the Degree within eight years from the date of first enrolment in the professional phase of the Degree;
- (d) persons excluded under clause (b) and (c) above will only be re-admitted to the BVSc programme with approval of Academic Board under such conditions as it may determine;
- (e) persons excluded twice under clause (b) above will not be permitted to re-enrol for the BVSc degree.
27. For persons enrolled in the Bachelor of Nursing the following will lead to exclusion:
- (a) failure to obtain a pass in a compulsory 168-prefix paper for which they have been enrolled for two occasions or a compulsory 214-prefix paper for which they have been enrolled for three occasions;
- (b) failure to pass papers totalling at least 75 academic credits in a full-time academic year or failure to pass at least 60% of an approved part-time programme of study in any academic year;
- (c) failure to complete the degree within five years from the date of first enrolment.
- Persons excluded under (a), (b) or (c) above will only be re-admitted to the Bachelor of Nursing programme with the approval of the Academic Board (or its delegate).
28. For persons enrolled in the Bachelor of Social Work the following will lead to exclusion:
- (a) failure to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work';
- (b) failure to pass in either 179.355 or 179.455 in two successive attempts;
- (c) persons excluded under clause (b) will only be re-admitted to the Degree of Bachelor of Social Work with approval of the Academic Board, which may be declined, or granted under such conditions as it may determine.
29. For persons enrolled in the Master of Applied Social Work the following will lead to exclusion:
- (a) failure to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work';
- (b) failure to obtain a pass in a compulsory paper for which they have been enrolled for on two occasions.
- (c) persons excluded under (b) above will only be re-admitted to the Master of Applied Social Work programme with approval of the Academic Board which may be declined, or granted under such conditions as it may determine.
30. For students enrolled in the Bachelor of Aviation - Air Transport Pilot major the following will lead to exclusion:
- (a) no candidate will be given more than two opportunities to pass each flight assessment, unless in exceptional circumstances and subject to the prior recommendation of the Student Review Board and the approval of the General Manager.
- (b) candidates who have failed a flight assessment twice and whose performance is deemed unacceptable by the School of Aviation Student Review Board will be recommended to the General Manager to be excluded from the BAv-ATP major. The General Manager will consider the recommendation(s) of the School of Aviation Student Review Board and any other matters the General Manager considers relevant and make a recommendation to the Academic Board (or its delegate). The Academic Board (or its delegate) will make the final decision.
- (c) candidates who have failed a compulsory paper twice and whose performance is deemed unacceptable by the School of Aviation Student Review Board will be recommended to the General Manager to be excluded from the BAv-ATP major. The General Manager will consider the recommendation(s) of the School of Aviation Student Review Board and any other matters the General Manager considers relevant and make a recommendation to the Academic Board (or its delegate). The Academic Board (or its delegate) will make the final decision.
- (d) persons excluded under clause (b) and (c) above will not be re-admitted to the BAv-ATP major without first submitting themselves for re-selection into the programme and being accepted.
31. For candidates enrolled in the Degree of Bachelor of Veterinary Technology the following will lead to exclusion from that programme:
- (a) failure to pass any 200- and 300- level paper in which they have been enrolled on two occasions;
- (b) failure to complete the requirements of the Degree within five years from the date of first enrolment in the professional phase of the Degree;
- (c) persons excluded under clause (a) and (b) will only be readmitted to the Degree of Veterinary Technology with the approval of Academic Board under such conditions as it may determine.
32. For candidates enrolled in the Degree of Bachelor of Medical Laboratory Science, the following will lead to exclusion from the qualification:
- (a) failure to obtain a pass in a compulsory 200- or 300-level paper in which they have been enrolled on two occasions;
- (b) failure of the practical work component in one or more of the 400-level papers.
- Persons excluded under clause (b) will only be re-admitted to the Bachelor of Medical Laboratory Science with approval of Academic Board under such conditions as it may determine.
33. Persons enrolled in a Graduate Diploma in Science for the purpose of gaining registration as Medical Laboratory Scientists will be excluded from re-enrolment in that diploma on the basis of failure to obtain a pass in a 300- or 400-level paper in which they have been enrolled on two occasions.
34. Persons enrolled in the Postgraduate Diploma in Specialist Teaching the following will lead to exclusion:
- (a) failure to complete a paper in two successive attempts will lead to exclusion from the qualification.
35. For candidates enrolled in the Bachelor of Speech and Language Therapy the following will lead to exclusion from the qualification:
- (a) failure to complete a compulsory paper in two successive attempts.
- (b) failure to pass papers totalling at least 75 credits or failure to pass at least 60 percent of an approved part-time course of study in any academic year.
- (c) failure to complete the degree within six consecutive years, unless a suspension or extension has been granted under Clause 7.
36. For candidates enrolled in the Master of Teaching and Learning the following will lead to exclusion from the qualification:
- (a) failure to obtain a pass in a paper in two successive attempts;
- (b) failure to pass papers totalling at least 90 academic credits, or failure to pass at least 50% of an approved part-time course of study in any academic year; or
- (c) failure to complete the Master of Teaching and Learning within three years from the date of first enrolment in a paper to be credited to the qualification.
37. For candidates enrolled in the Degree of Doctor of Business and Administration, the following will lead to termination of registration:
- (a) failure to pass any one of the papers in Part One;
- (b) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee;
38. For candidates enrolled in the Degree of Doctor of Clinical Psychology, the following will lead to termination of registration:
- (a) failure to pass any one of the taught papers in the Schedule for the Qualification;
- (b) failure to pass any one of the Practicum or Internship papers;
- (c) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.
39. For candidates enrolled in the Degree of Doctor of Education, the following will lead to termination of registration:

- (a) failure to pass any one of the papers in Part One;
 - (b) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee;
40. For candidates enrolled in the Degree of Doctor of Philosophy, the following will lead to termination of registration:
- (a) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee;
 - (b) failure to successfully complete the confirmation event within the stated timeframes;

Part D: Exclusion from the University

41. Unless the context requires otherwise:
“Exclusion” means either:
- (a) the cancellation of a student’s enrolment at Massey University in a paper, programme, or the University, when during that person’s enrolment it becomes evident that any of these Regulations apply; or
 - (b) where a prospective student seeks enrolment and any of the clauses in these Regulations apply, then exclusion means the refusal to enrol the person concerned in the paper(s) or programme(s) or at this University as the case may be.
42. Subject to regulation 43, for the purposes of Section 224(12) of the Education Act 1989, these Regulations comprise the Council refusing to permit or cancelling the enrolment of a person as a student at Massey University, or in a particular programme or paper (as the case may be), on the grounds that the person has made insufficient progress in the person’s study or training after a reasonable trial at Massey University or at another institution.
43. The University retains its rights at law to refuse to permit, or to cancel, the enrolment of a person as a student at Massey University, or in a particular programme at Massey University, on the grounds that the person has made insufficient progress in the person’s study or training after a reasonable trial in circumstances that are different from the circumstances specified in these Regulations. Enrolment may also be cancelled or refused when a student repeatedly withdraws (with or without academic penalty). Additionally, the University may refuse to enrol or cancel the enrolment in certain papers but permit enrolment in other papers on the grounds of insufficient progress.
44. Powers under these regulations are exercisable by the Academic Board (or its delegate) and may also be exercised by the Vice-Chancellor (or his delegate).

Part E: Procedure for Submissions, Appeals, and Constitution of the Exclusion Appeals Committee

45. Students can make a submission regarding their Academic Standing at any time, on the grounds that their performance has been seriously affected over an extended period of time by their Exceptional Personal Circumstances.
46. Submissions should be addressed to the Co-ordinator: Student Success, for forwarding to relevant University processes such as Aegrotat and Impaired Performance, Withdrawal, Carry Forward of Postgraduate Study, or Fee Appeal, or to the next meeting of the Academic Committee Hearings Committee.
47. Once Academic Standing has been confirmed, students may appeal the outcome on the grounds of Exceptional Personal Circumstances or matters of process. Appeals will be heard by the Academic Standing Hearing Committee at its earliest scheduled meeting. The Academic Standing assigned and the outcomes of such will remain in place until the Academic Standing Hearings Committee advises its decision.
48. The Academic Standing Hearings Committee shall be constituted by Council on the recommendation of the Academic Board. Its powers are delegated by Council. It shall comprise five persons:
- Co-ordinator: Student Success and Engagement;
 - three senior members of staff, including two academic staff, and including one Māori member; and
 - one student member.
49. The Committee may:
- (a) confirm the Academic Standing will apply; or
 - (b) confirm the Academic Standing will apply and amend the requirements; or
 - (c) amend the Academic Standing; or
 - (d) refer the student submission to another process such as Aegrotat and Impaired Performance, Withdrawal, Carry Forward of Postgraduate Study, or Fee Appeal, regardless of the due date for such.
- Any resulting change to Academic Standing will be implemented to be effective at the next opportunity for enrolment.
50. Except as required by law and except that no person shall appear before the Committee to make oral submissions, the Committee shall determine its own procedure. Each student shall have reasonable opportunity to make written submissions together with any other submitters or corroborative evidence the Committee requires.
51. Students may appeal the outcome of a change in Academic Standing, or a decision to exclude on matters of process only. Appeals may be submitted in writing to the Assistant Vice Chancellor (Research, Academic and Enterprise). The Assistant Vice Chancellor (Research, Academic and Enterprise) will instigate an investigation into the process followed and determine its adequacy. The decision of the Assistant Vice Chancellor (Research, Academic and Enterprise) will be communicated to the student and will be final.

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* No new enrolments

The Degree of Doctor of Business and Administration DBA

Closed to New Enrolments 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Doctor of Business and Administration requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Bachelor Honours Degree, or Master's Degree, or an equivalent, with the award of First Class or Second Class Division I Honours; and
 - (c) have sufficient background and good standing in senior management to satisfy the Doctoral Research Committee they have the capacity to successfully undertake the programme.

Qualification Requirements

2. Candidates for the Degree of Doctor of Business and Administration shall follow a parts-based course of study, which shall consist of papers and a thesis, totalling at least 360 credits, comprising:
 - (a) Part One: Provisional registration; and
 - (b) Part Two: Full registration.
 And including:
 - (c) the papers listed in the Schedule for the Qualification;
 - (d) a thesis;
 - (e) participation in required activities including presentation of a proposal at a confirmation event and defending a thesis in an oral examination.

Specialisations

3. The Degree of Doctor of Business and Administration is awarded without specialisation.

Thesis Requirements

4. The thesis must demonstrate the candidate's ability to carry out independent research, which must make a significant contribution to knowledge and understanding in business and administration. The thesis shall be a cohesive and integrated report of the candidate's supervised work and may consist of several studies or cases, and will include the candidate's published or unpublished material or a combination of both.
5. There shall be one main supervisor, who shall be a member of the academic staff of the University, and at least one co-supervisor who shall also be a member of the academic staff of the University.
6. The thesis must comply with the following requirements:
 - (a) the work on which the thesis is based has not been accepted either in whole or in part for any other degree or diploma; and
 - (b) must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the thesis is based;
 - (c) reference to work other than that of the candidate must be appropriately acknowledged;

- (d) all relevant policies underpinning research practice have been complied with;
 - (e) the thesis must not exceed 65,000 words (excluding appendices and bibliography);
 - (f) the thesis must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines.
7. The thesis will be independently examined by an Examination Committee experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines, and will include an oral examination of the candidate on the thesis and the subject area. The oral examination will not proceed if the examiners agree that the thesis is of an inadequate standard.
8. The Thesis Examination Committee shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:
 - (a) Pass without emendation;
 - (b) Emendations required;
 - (c) Further research and re-examination required;
 - (d) Fail. The candidate shall not be awarded the degree and shall not be permitted to apply for re-examination.
9. If emendations are required the candidate will have a maximum of six months full time, or nine months part time, to complete the emendations and during this time the candidate will not be required to re-enrol. The candidate must complete the emendations to the satisfaction of the examiner(s) or the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
10. If further research and re-examination is required, the candidate will have a maximum of one year full time and eighteen months part time to conduct the required additional research and/or revisions. The candidate must re-enrol and pay tuition fees on a pro-rata basis. A candidate may only revise and resubmit a thesis for re-examination once. If the candidate does not complete the revisions to the satisfaction of all the examiners, the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
11. No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

Student Progression

12. For progression from Provisional Registration to Full Registration candidates must have:
 - (a) achieved a grade average of B+ or higher across the papers specified for the Provisional Registration;
 - (b) participated in a confirmation event, during which they have presented their proposal to, and had it accepted by, a confirmation committee;
 - (c) their proposed main supervisor and co-supervisor(s) approved by the Doctoral Research Committee.
13. Candidates are required to make successful progress in the thesis as determined by six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee and assessed

by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.

Completion Requirements

14. A candidate's period of registration (including provisional registration) shall be a minimum period of three years (36 months) and a maximum of four years (48 months) if full time, and a minimum period of four years (48 months) and a maximum of six years (72 months), unless a specified time of suspension or extension has been approved by the Doctoral Research Committee. Suspensions or extensions granted will appear on the academic transcript.
15. The maximum period of registration shall include:
 - (a) completion of papers as listed in the Schedule to the Qualification;
 - (b) submission of a thesis in the manner required under the published Doctoral Research Committee guidelines;
 - (c) application to be examined;
 - (d) examination (including, completion of any emendations or re-examination);
 - (e) submission of four bound copies of the thesis.
16. Candidates may be graduated when they meet the Admission, Qualification and Thesis requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate

Diploma in Business and Administration should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

17. For candidates enrolled in the Degree of Doctor of Business and Administration, the following will lead to termination of registration:
 - (a) failure to pass any one of the papers in Part One;
 - (b) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.

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Part One: Provisional Registration

115.901	Advanced Research Seminar	30	
115.902	Advanced Studies in Business and Administration	30	
115.903	Advanced Directed Study in Business and Administration	30	P 115.901
115.910	Special Topic in an appropriate disciplinary area	30	

Part Two: Full Registration

115.999	Thesis	240	
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The Degree of Doctor of Clinical Psychology DClinPsych

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Doctor of Clinical Psychology requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Bachelor Honours degree or Master's degree in Psychology with the award of First Class or Second Class Division I Honours, or equivalent; and
 - (c) have passed the following papers or their equivalent, in their qualifying degree: 175.738, 175.781, 175.782, and 175.783; and
 - (d) have sufficient personal qualities, ethical standards, and professional potential to satisfy the Doctoral Research Committee they have the capacity to successfully undertake the programme, and to satisfy the requirements for eligibility to practice as a Registered Psychologist in accordance with the Health Practitioners Competency Assurance Act of 2003, or as amended.

Qualification Requirements

2. Candidates for the Degree of Doctor of Clinical Psychology shall follow a parts-based course of study, which shall consist of papers and a thesis, totalling at least 360 credits, comprising:
 - (a) Part One: Provisional Registration, and
 - (b) Part Two: Full Registration
 And including:
 - (c) the papers listed in the Schedule for the Qualification;
 - (d) a thesis;
 - (e) participation in required activities including presentation of a proposal at a confirmation event, defending a thesis in an oral examination, and demonstrating the competencies required of a Professional Clinical Psychologist at a practical oral examination.

Specialisations

3. The Degree of Doctor of Clinical Psychology is awarded without specialisation.

Thesis Requirements

4. The thesis must demonstrate the candidate's ability to carry out independent research, which must make a significant contribution to knowledge and understanding in clinical psychology. The thesis shall be a cohesive and integrated report of the candidate's supervised work, and may consist of several studies or cases, and will include the candidate's published or unpublished material or a combination of both.
5. There shall be one main supervisor, who shall be a member of the academic staff of the University, and at least one co-supervisor who shall also be a member of the academic staff of the University. At least one supervisor must be a registered senior clinical psychologist.
6. The thesis must comply with the following requirements:
 - (a) the work on which the thesis is based has not been accepted either in whole or in part for any other degree or diploma; and
 - (b) must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the thesis is based;
 - (c) reference to work other than that of the candidate must be appropriately acknowledged;
 - (d) all relevant policies underpinning research practice have been complied with;
 - (e) the thesis must not exceed 65,000 words (excluding appendices and bibliography);
 - (f) the thesis must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines.
7. The thesis will be independently examined by an Examination Committee experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines, and will include an oral examination of the candidate on the thesis and the subject area. The oral examination will not proceed if the examiners agree that the thesis is of an inadequate standard.
8. The Thesis Examination Committee shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:

- (a) Pass without emendation.
 - (b) Emendations required.
 - (c) Further research and re-examination required.
 - (d) Fail. The candidate shall not be awarded the degree and shall not be permitted to apply for re-examination.
9. If emendations are required the candidate will have a maximum of six months full time to complete the emendations and during this time the candidate will not be required to re-enrol. The candidate must complete the emendations to the satisfaction of the examiner(s) or the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
 10. If further research and re-examination is required, the candidate will have a maximum of one year full time and eighteen months part time to conduct the required additional research and/or revisions. The candidate must re-enrol and pay tuition fees on a pro-rata basis. A candidate may only revise and resubmit a thesis for re-examination once. If the candidate does not complete the revisions to the satisfaction of all the examiners, the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
 11. No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

Student Progression

12. For progression from Provisional Registration to Full Registration candidates must have:
 - (a) achieved pass grades in papers 175.935 and 175.920;
 - (b) participated in a confirmation event, during which they have presented their proposal to, and had it accepted by, a confirmation committee;
 - (c) their proposed main supervisor and co-supervisor(s) approved by the Doctoral Research Committee.
13. Candidates are required to make successful progress in the thesis as determined by six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee and assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.
14. Candidates are required to successfully complete papers 175.936 and 175.921 prior to enrolling in 175.922 and undertaking clinical case study research.
15. Candidates must continue to satisfy the requirements for eligibility to practice as a Registered Psychologist in accordance with the Health Practitioners Competency Assurance Act of 2003, or as amended, throughout the duration of their studies.

Completion Requirements

16. A candidate's period of registration (including provisional registration) shall be a minimum period of three years (36 months) and a maximum of four years (48 months) full time, unless a specified time of suspension or extension has been approved by the Doctoral Research Committee. Suspensions or extensions granted will appear on the academic transcript.
17. The maximum period of registration shall include:
 - (a) completion of papers as listed in the Schedule to the Qualification;
 - (b) submission of a thesis in the manner required under the published Doctoral Research Committee guidelines;
 - (c) application for the thesis to be examined;
 - (d) thesis examination (including, completion of any emendations or re-examination);
 - (e) submission of four bound copies of the thesis;
 - (f) practical oral examination of professional clinical competencies by an examination committee of qualified clinical psychologists including at least one external academic clinical psychologist from another University training programme and at least one external senior consultant clinical psychologist with prior experience of intern field supervision.
18. Candidates may be graduated when they meet the Admission, Qualification and Thesis requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

19. For candidates enrolled in the Degree of Doctor of Clinical Psychology, the following will lead to termination of registration:
 - (a) failure to pass any one of the taught papers in the Schedule for the Qualification;
 - (b) failure to pass any one of the Practicum or Internship papers;
 - (c) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.

Schedule for the Qualification

175.920	Clinical Psychology Practicum A	15
175.921	Clinical Psychology Practicum B	15
175.922	Clinical Psychology Internship	60
175.935	Skills in Clinical Assessment	15
175.936	Skills in Clinical Interventions	15
175.991	Thesis Part A	90
175.992	Thesis Part B	90
175.993	Thesis Part C	60

The Degree of Doctor of Education

Edd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Doctor of Education requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Bachelor of Education or Teaching with Honours, or Master of Education, or an equivalent, with the award of First Class or Second Class Division I Honours; and

- (c) have sufficient background and good standing in professional leadership in education to satisfy the Doctoral Research Committee they have the capacity to successfully undertake the programme.

Qualification Requirements

2. Candidates for the Degree of Doctor of Education shall follow a parts-based course of study, which shall consist of papers and a thesis, totalling at least 360 credits, comprising:
 - (a) Part One: Provisional Registration; and
 - (b) Part Two: Full Registration
 And including:
 - (c) the papers listed in the Schedule for the Qualification
 - (d) a thesis
 - (e) participation in required activities including presentation of a proposal at a confirmation event and defending a thesis in an oral examination.

Specialisations

- The Degree of Doctor of Education is awarded without specialisation.

Thesis Requirements

- The thesis must demonstrate the candidate's ability to carry out independent research, which must make a significant contribution to knowledge and understanding in education. The thesis shall be a cohesive and integrated report of the candidate's supervised work and may consist of several studies or cases, and will include the candidate's published or unpublished material or a combination of both.
- There shall be one main supervisor, who shall be a member of the academic staff of the University, and at least one co-supervisor who shall also be a member of the academic staff of the University.
- The thesis must comply with the following requirements:
 - the work on which the thesis is based has not been accepted either in whole or in part for any other degree or diploma; and
 - must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the thesis is based;
 - reference to work other than that of the candidate must be appropriately acknowledged;
 - all relevant policies underpinning research practice have been complied with;
 - the thesis must not exceed 65,000 words (excluding appendices and bibliography);
 - the thesis must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines.
- The thesis will be independently examined by an Examination Panel experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines, and will include an oral examination of the candidate on the thesis and the subject area. The oral examination will not proceed if the examiners agree that the thesis is of an inadequate standard.
- The Thesis Examination Panel shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:
 - Pass without emendation.
 - Emendations required
 - Further research and re-examination required.
 - Fail. The candidate shall not be awarded the degree and shall not be permitted to apply for re-examination.
- If emendations are required the candidate will have a maximum of six months full time, or nine months part time, to complete the emendations and during this time the candidate will not be required to re-enrol. The candidate must complete the emendations to the satisfaction of the nominated examiner(s) or the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined. A candidate may only submit emendations for re-examination once.
- If further research and re-examination is required, the candidate will have a maximum of one year full time and eighteen months part time to conduct the required additional research and/or revisions. The candidate must re-enrol and pay tuition fees on a pro-rata basis. A candidate may only revise and resubmit a thesis for re-examination once. If the candidate does not complete the revisions to the satisfaction of all the examiners, the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
- No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

Student Progression

- For progression from Provisional Registration to Full Registration candidates must have:
 - achieved a grade average of B+ or higher across the papers specified for the Provisional Registration;
 - participated in a confirmation event, during which they have presented their proposal to, and had it accepted by, a confirmation committee;
 - their proposed main supervisor and co-supervisor(s) approved by the Doctoral Research Committee.
 - Candidates are required to make successful progress in the thesis as determined by six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee and assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.
- ### Completion Requirements
- A candidate's period of registration (including provisional registration) shall be a minimum period of three years (36 months) and a maximum of four years (48 months) if full time, and a minimum period of four years (48 months) and a maximum of six years (72 months), unless a specified time of suspension or extension has been approved by the Doctoral Research Committee. Suspensions or extensions granted will appear on the academic transcript.
 - The maximum period of registration shall include:
 - completion of papers as listed in the Schedule to the Qualification;
 - submission of a thesis in the manner required under the published Doctoral Research Committee guidelines;
 - application to be examined;
 - examination (including, completion of any emendations or re-examination);
 - submission of four bound copies and one electronic copy of the final thesis.
 - Candidates may be graduated when they meet the Admission, Qualification and Thesis requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Education should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- For candidates enrolled in the Degree of Doctor of Education, the following will lead to termination of registration:
 - failure to pass any one of the papers in Part One;
 - failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.

Schedule for the Qualification

Part I: Provisional Registration

267.911	Advanced Professional Education	30	
267.912	Advanced Studies in Education	30	P 267.911
267.913	Advanced Research and Evaluation Methodology	30	P 267.911, 267.912
267.929	Advanced Directed Study in Education	30	P 267.911, 267.912, 267.913

Part II: Full Registration

267.930	Thesis Doctor of Education	240	
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The Degree of Doctor of Literature DLitt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

9. Admission for consideration for the Degree of Doctor of Literature requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) be a graduate of a Massey University degree; and
 - (c) not present themselves for consideration until at least 10 years after graduation in a qualifying degree; and
 - (d) not previously have applied for examination within the preceding five years, and only then will application be considered on the basis of significant new work.

Qualification Requirements

10. The Degree of Doctor of Literature shall be awarded for original contribution(s) of special excellence to knowledge in the fields of Humanities or Social Sciences. This will have been published in the form of scholarly papers and/or books or creative works or performances. Additional unpublished work may be submitted in support of the application.

Specialisations

11. The Degree of Doctor of Literature is awarded without specialisation.

Examination Requirements

12. The submitted work(s) must meet comply with the following requirements:

- (a) the work(s) has not been accepted either in whole or in part for any other degree or diploma; and
- (b) must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the work(s) is based;
- (c) reference to work other than that of the candidate must be appropriately acknowledged;
- (d) all relevant policies underpinning research practice have been complied with;
- (e) must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines.

13. The work(s) will be independently examined by an Examination Committee experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines.
14. The Examination Committee shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:
 - (a) Pass.
 - (b) Fail.

15. No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

Student Progression

16. Applications will only proceed to Examination at the discretion of the Doctoral Research Committee on the recommendation of an Assessor appointed to judge the suitability of the application, the key elements of the work(s), and the contribution to knowledge.

The Degree of Doctor of Philosophy PhD

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Doctor of Philosophy requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Master's degree or Bachelor Honours degree with First or Second Class Honours Division One, or an equivalent qualification; and
 - (c) have sufficient independent research experience to satisfy the Doctoral Research Committee that they have the capacity to successfully undertake the programme.

Qualification Requirements

2. Candidates for the Doctor of Philosophy shall follow a parts based course of study which shall consist of a thesis totalling at least 360 credits, comprising:
 - (a) Part One: Provisional Registration;
 - (b) Part Two: Full Registration;
 And including:
 - (c) a thesis;

- (d) participation in required activities including presentation of a research presentation at a confirmation event and defending a thesis in an oral examination.

Specialisations

3. The Degree of Doctor of Philosophy is awarded without specialisation.

Thesis Requirements

4. The thesis must demonstrate the candidate's ability to carry out independent research, which must make a significant contribution to knowledge and understanding of a field of study. The thesis shall be a cohesive and integrated report of the candidate's supervised work and may consist of several studies or cases, and will include the candidate's published or unpublished material or a combination of both.
5. Theses based upon publications must have an appropriate introduction, including research objectives, and a comprehensive conclusion which clearly identifies the original contribution to knowledge of the subject with which it deals. The thesis must work as an integrated whole, and linking sections may also be used to this end.
6. Candidates submitting a thesis in the creative and performing arts shall prepare a presentation which consists of creative component and exegesis. The creative works and/or performance should take a form appropriate to the discipline.
7. There shall be one main supervisor, who shall be a member of the academic staff of the University, and at least one co-supervisor who shall also be a member of the academic staff of the University; all supervisors, including any additional co-supervisors, must be approved by the Doctoral Research Committee.
8. The thesis must comply with the following requirements:

- (a) the work on which the thesis is based has not been accepted either in whole or in part for any other degree or diploma; and
 - (b) must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the thesis is based;
 - (c) reference to work other than that of the candidate must be appropriately acknowledged;
 - (d) all relevant policies underpinning research practice have been complied with;
 - (e) the thesis must not exceed 100,000 words (excluding appendices and bibliography);
 - (f) the thesis must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines;
 - (g) for candidates submitting a thesis in creative and performing arts, the thesis must include a permanent record of the performance/exhibition.
9. The thesis will be independently examined by an Examination Panel experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines, and will include an oral examination of the candidate on the thesis and the subject area. Any aspect of the thesis for which public performance is an integral part will be examined in that context.
 10. The oral examination will not proceed if the examiners agree that the thesis is of an inadequate standard.
 11. The Thesis Examination Panel shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:
 - (a) Pass without emendation.
 - (b) Emendations required
 - (c) Further research and re-examination required.
 - (d) Fail. The candidate shall not be awarded the degree and shall not be permitted to apply for re-examination.
 12. If emendations are required the candidate will have a maximum of six months full time, or nine months part time, to complete the emendations and during this time the candidate will not be required to re-enrol. The candidate must complete the emendations to the satisfaction of the examination panel or the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.
 13. If further research and re-examination is required, the candidate will have a maximum of one year full-time and eighteen months part time to conduct the required additional research and emendations. The candidate must re-enrol and pay tuition fees on a pro-rata basis. A candidate may only revise and resubmit a thesis for re-examination once. If the candidate does not complete the emendations to the satisfaction of the examination panel, the candidate will be failed. Under these circumstances the candidate shall not be permitted to be re-examined.

14. No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

Student Progression

15. Candidates are required to make successful progress in the thesis as determined by six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee and assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee.
16. For progression from Provisional Registration to Full Registration candidates must have participated in a confirmation event, during which they have presented their proposal to, and had it accepted by, a confirmation committee; the confirmation event must be held within 12 months from commencement of provisional registration if candidacy is full time and within 18 months if part time.

Completion Requirements

17. A candidate's period of registration (including provisional registration) shall normally be a minimum period of two years (24 months) and a maximum of four years (48 months) if full time, and a minimum period of three years (36 months) and a maximum period of six years (72 months), unless a specified time of suspension or extension has been approved by the Doctoral Research Committee. Suspensions or extensions granted will appear on the academic transcript.
18. The maximum period of registration shall include:
 - (a) submission of a thesis in the manner required under the published Doctoral Research Committee guidelines;
 - (b) application to be examined, including submission of the thesis for examination;
 - (c) examination (including, completion of any emendations or re-examination);
 - (d) submission of four bound copies of the final thesis as approved by the Examination Committee.
19. Candidates may be graduated when they meet the Admission, Qualification and Thesis requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an exit qualification should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

20. For candidates enrolled in the Degree of Doctor of Philosophy, the following will lead to termination of registration:
 - (a) failure to make adequate progress as required by the six-monthly progress reports in accordance with the guidelines published by the Doctoral Research Committee as assessed by the Supervisors, Head of Academic Unit, and the Doctoral Research Committee;
 - (b) failure to successfully complete the confirmation event within the stated timeframes.

The Degree of Doctor of Science DSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission for consideration for the Degree of Doctor of Science requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) be a graduate of a Massey University degree; and
 - (c) not present themselves for consideration until at least 10 years after graduation in a qualifying degree; and

- (d) not previously have applied for examination within the preceding five years, and only then will application be considered on the basis of significant new work.

Qualification Requirements

2. The Degree of Doctor of Science shall be awarded for original contribution(s) of special excellence to knowledge in science. This will have been published in the form of scholarly papers and/or books. Additional unpublished work may be submitted in support of the application.

Specialisations

3. The Degree of Doctor of Science is awarded without specialisation.

Examination Requirements

4. Applications will only proceed to Examination at the discretion of the Doctoral Research Committee on the recommendation of an Assessor

appointed to judge the suitability of the application, the key elements of the work(s), and the contribution to knowledge.

5. The submitted work(s) must meet comply with the following requirements:
 - (a) the work(s) has not been accepted either in whole or in part for any other degree or diploma; and
 - (b) must clearly define the nature and extent of any assistance the candidate has received in pursuing the research on which the work(s) is based;
 - (c) reference to work other than that of the candidate must be appropriately acknowledged;
 - (d) all relevant policies underpinning research practice have been complied with;

- (e) must be submitted for examination in the manner specified by the Doctoral Research Committee in accordance with the published guidelines.
6. The work(s) will be independently examined by an Examination Committee experienced in the subject area, appointed by the Doctoral Research Committee in accordance with published guidelines.
7. The Examination Committee shall make a recommendation to the Doctoral Research Committee on the whole examination and will advise the result of the examination by using one of the following categories:
 - (a) Pass;
 - (b) Fail.
8. No appeals are allowed except on completion of the examination process on the grounds of procedural irregularities in the examination process. For an appeal to be considered, applications must be received by the Doctoral Research Committee within three months of formal notification of the examination result by the Graduate Research School.

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* No new enrolments

The Degree of Master of Advanced Leadership Practice MALP

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Advanced Leadership Practice requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Bachelor's degree or equivalent qualification, having achieved a grade average of at least a B in the highest level papers;
 - (c) be sponsored by an organisation with which they have a relationship akin to employment, cadetship, or other, whereby access to data,

operations, and decision-making processes, are made available, along with provision of supervision and mentorship;

- (d) be selected into the programme on the basis of an interview and written exercise.
2. Notwithstanding the requirements of Regulation 1(c), candidates may be admitted to the Degree without a sponsor, should an alternative placement structure be approved by Academic Board.

Qualification Requirements

3. Candidates for the Master of Advanced Leadership Practice shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits at 700 and 800 level comprising:
 - (a) Part One and Part Two as defined by the Schedule to the Degree;
 - (b) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisation

4. The Degree of Master of Advanced Leadership Practice is awarded without specialisation.

Academic Requirements

- In accordance with Regulations 1(c) and 2, Candidates must hold their position with their sponsoring organisation throughout the duration of the programme.

Student Progression

- For progression from Part One to Part Two, candidates must have achieved a Grade of at least B for the Part One papers.
- In cases of sufficient merit, a Master of Advanced Leadership Practice may be awarded with a class of Honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be

awarded the Postgraduate Diploma in Business and Administration or the Postgraduate Certificate in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule of Papers for the Master of Advanced Leadership Practice

Master of Advanced Leadership Practice

Part One

Compulsory papers (120 credits):

115.776	Advanced Leadership	60	C 115.777
115.777	Leadership Practice	60	C 115.776

Part Two (60 credits)

115.877	Leadership Practice Report	60	P 115.776 and 115.777
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The Degree of Master of AgriCommerce MAgriCommerce

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of AgriCommerce is conditional upon maintenance of a B average over the 300-level papers in the Bachelor of AgriCommerce in the field related to the subject in which the candidate wishes to specialise.

Course of Study

- The Master of AgriCommerce shall consist of a minimum of 240 approved credits at the 700/800-level, including:
 - 112.748 Advanced Food and Agribusiness Strategies;
 - 30 credits of approved research methods and data analysis papers;
 - At least 60 credits at 700-level in one of the following subjects – Agricultural Economics, Farm Management, Food Economics and Society, Food Marketing and Retailing, International Agribusiness, International Rural Development;
 - Either a 120 credit thesis or a 90 credit thesis and an additional 30 approved elective credits at 700-level.

Special Topic papers (xxx.785 and/or xxx.786) may be included to a maximum of 30 credits.
- The course of study for a candidate who has qualified for the award of the Degree of Bachelor of AgriCommerce with Honours or Postgraduate Diploma in AgriCommerce, or the equivalent degree of another recognised university, will be the Master of AgriCommerce by thesis only, and shall consist of:
 - either a 90 credit thesis and 30 credits of approved research methods papers; or
 - a 120-credit thesis.

Schedule of Papers for the Master of AgriCommerce

110.700	Accountancy for Business Administrators	30	P Graduate status
112.701	Farm Management	15	P Graduate status and Permission PD
112.702	International Agri-Food Marketing Strategies	15	
112.743	Cooperative Governance and Management	15	P Graduate status or Permission PHOD/AD

112.748	Advanced Food and Agribusiness Strategies	30	P Graduate status and Permission PD
114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
117.771	Dairy Production	15	P 117.351 or 117.371 or 117.381
117.772	Sheep Production	15	P 117.352 or 117.371 or 117.381
117.773	Beef Cattle Production	15	P 117.353 or 117.371 or 117.381
117.774	Pig Production	15	P 117.354 or 117.371 or 117.381
117.775	Deer Production	15	P 117.355 or Permission PD, Graduate status
117.776	Poultry Production	15	P 117.354 or 117.371 or 117.381
119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and Permission PD
119.731	Topics in Agricultural Extension and Consultancy	15	P Graduate status, PPD; R 111.755
119.751	Advanced Farm and Horticultural Management	30	P Graduate status, 119.381, 119.382, 119.358 or PPD; R 111.752
125.700	Managerial Finance	30	P Graduate status and PHOS
152.700	Organisation and Management	30	P Graduate status and PHOS
152.702	Advanced Strategic Management	30	P Graduate status
152.707	Leading and Changing Organisations	30	P Graduate status; R 152.709, 152.705
152.731	Innovation and New Ventures	30	P Graduate status; R 26.441, 52.731
152.732	Issues in Entrepreneurship	30	P Graduate status; R 26.442, 52.732
152.752	Project Management	30	P Graduate status and PHOS
152.761	Advanced International Business	30	P Graduate status
152.762	The International Business Environment	30	P Graduate status
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate-level Economics paper or 178.703 or PHOS; R 178.750, 178.770
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 12.513, 78.456, 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS
178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS
188.705	Natural Resource Policy	15	P PPD; Graduate status
235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status

238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300	284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700	284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700	287.730	Quality Management	30	P Graduate status and PPD; R 143.719
239.785	Special Topic	15	P Graduate status and PPD	287.732	Quality Assurance Project	30	P Graduate status and PPD; R 143.729
239.786	Special Topic	30	P Graduate status and PPD	239.888	Thesis	90	P Graduate status and PPD
239.798	Research Report	30	Graduate status and PPD	239.885	Thesis 90 Credit Part 1	45	P Graduate status and PAD
240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752	239.886	Thesis 90 Credit Part 2	45	P Graduate status and PAD; C 239.885
240.753	Supply Chain System Analysis	15	P Graduate status and PPD	239.897	Thesis 120 Credit Part 1	60	P Graduate status and P PD
240.754	Supply Chain Optimisation	15	P Graduate status and PPD	239.898	Thesis 120 Credit Part 2	60	P Graduate status and P PD; C 239.897
240.755	Executive Supply Chain Management	30	P 240.752 or PPD; R 112.751	239.899	Thesis	120	P Graduate status and PPD
283.702	Advanced Agronomy	30	P 283.301 or 283.321 or 283.305 or 283.303 or 171.308, Graduate status and PPD; R 171.701, 171.711, 171.713				

The Degree of Master of Agriculture MAgr

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Agriculture requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the Bachelor of AgriScience with a major in the intended postgraduate subject, or equivalent; and
 - have achieved a B grade average over the 300-level majoring papers of the qualification(s) considered for admission, or equivalent.

Qualification Requirements

- Candidates for the Master of Agriculture shall follow a parts-based course of study, which shall consist of 700- and 800-level papers totalling at least 180 credits; comprising
 - Parts One and Two as specified in the schedule to the degree;
 - at least 60 credits at 800-level;
 and including:
 - any compulsory papers listed in Schedule A to the Qualification;
 - at least 150 credits from the Schedule for the Qualification;
 - no more than 45 credits of Special Topic papers;
 - no more than 30 credits of professional development (5 credit) papers;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The degree of Master of Agriculture may be awarded with or without a subject.
- Candidates may complete a subject by passing at least 105 credits in a subject, including a research report of 60 credits in that subject. The requirements for each subject are set out in the Schedule for the Qualification.
- Subjects available in the Master of Agriculture are: Agriculture, Equine, Horticulture and Life Cycle Management.

Student Progression

- For progression from Part One to Part Two, candidates must have achieved a Grade Average of B over the first 90 credits undertaken for Part One, which must include the compulsory paper 119.720.

- In cases of sufficient merit, the Degree of Master of Agriculture may be awarded with Distinction or Merit.

Completion Requirements

- The timeframes for completion as outlined in General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science (PGCertSc) should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part One (120 credits)

Schedule A: Compulsory Qualification Paper

119.720	Applied Agriculture Research Methods	15	
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Schedule B: Part One Subject Requirements

Agriculture (45 credits)

45 credits at 700-level selected from at least two subject areas (denoted by prefix number) from the 117, 119, 189, 238 and 283 prefix papers listed in Schedule C to the qualification.

Equine (45 credits)

286.711	Equine Science	15	P PPD and Graduate status; R117.763
286.701	Advanced Equine Production	15	P PPD; R117.777

15 credits at 700-level selected from the 112, 117, 119 and 283 prefix papers listed in Schedule C to the Qualification.

Horticulture (45 credits)

30 credits from:

284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701

15 credits at 700-level from 119, 189, 283, 284 and 285 prefix papers listed in Schedule C to the qualification.

Life Cycle Management (45 credits)

238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700

15 credits from:

238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700

Schedule C: Master of Agriculture Papers

112.701	Farm Management	30	P Graduate status and PPD
117.761	Ruminant Livestock Feeding	15	P 117.254 or PPD
117.762	Intensive Livestock Feeding	15	P 117.342 or PPD, Graduate status
117.764	Growth and Meat Science	15	P 117.344 or PPD, Graduate status
117.765	Genetics and Breeding	15	P 117.345 or PPD, Graduate status
117.767	Reproduction and Fertility	15	P 117.347 or PPD, Graduate status
117.768	Metabolism and Endocrinology	15	P 117.348 or PPD, Graduate status
117.769	Lactation and Milk Production	15	P 117.347 or PPD, Graduate status
117.771	Dairy Production	15	P 117.351 or 117.371 or 117.381
117.772	Sheep Production	15	P 117.352 or 117.371 or 117.381
117.773	Beef Cattle Production	15	P 117.353 or 117.371 or 117.381
117.774	Pig Production	15	P 117.354 or 117.371 or 117.381
117.775	Deer Production	15	P 117.355 or PPD, Graduate status
117.776	Poultry Production	15	P 117.354 or 117.371 or 117.381
117.784	Advanced Studies in Animal Science	30	P PPD and Graduate status
119.710	Nutrient Management in Grazed Pasture Systems	30	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management or PPD
119.711	Nutrient Management in Arable Systems	15	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management or PPD
119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
119.731	Topics in Agricultural Extension and Consultancy	15	P Graduate status, PPD; R 111.755
119.751	Advanced Farm and Horticultural Management	30	P Graduate status, 119.381, 119.382, 119.358 or PPD; R 111.752
178.762	Natural Resource and Environmental Economics for Non-Economists	30	
188.752	Land Reclamation	15	P Graduate status and PPD
189.752	Advanced Soil Fertility	30	P At least 30 300-level credits in Soil Science, or a strong science background with PD

189.753	Soil and Land Evaluation	30	P Graduate status and 189.364 or PPD
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status
189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
189.759	Advanced Studies in Soil Science	30	P At least 30 300 level credits in Soil Science, or a strong science background with PD; R any 189.78x paper from which modules have been selected
235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
238.751	Agricultural Greenhouse Gas Emission Science	15	P Graduate status and PPD
238.752	Mitigation Strategies for Agricultural Greenhouse Gas Emissions	15	P 238.751, Graduate status and PPD
238.785	Special Topic	15	P Graduate status and PPD
238.786	Special Topic	30	P Graduate status and PPD
283.701	Advanced Pasture Production and Practice	15	P 171.301 or 283.301 or PPD, Graduate status; R 171.707
283.702	Advanced Agronomy	30	P 283.301 or 283.321 or 283.305 or 171.308 or 283.303, Graduate status and PPD; R 171.701 or 171.711, 171.713
283.704	Urban and Farm Forestry	15	P 283.101 or 283.321 or 283.311 or 284.322 or equivalent; R 284.721, 284.702
283.707	Plant Breeding	30	P PPD; R 171.754
284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701
284.741	Post-harvest Physiology	30	P Graduate status and PPD; R 171.749
285.711	Integrated Pest Management	30	P Graduate status and PPD; R 171.763
286.701	Advanced Equine Production	15	P PPD; R 117.777
286.711	Equine Science	15	P PPD and Graduate status; R 117.763

Part Two (60 credits)

119.820	Applied Agriculture Research Report	60	P 119.720
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The Degree of Master of AgriScience MAgriScience

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of a minimum of 240 credits (or 120 credits if a concession is granted – see below) and include either 90 or 120 credits of reported research from the Schedule together with approved papers at 700-level including (119.729) Research Methods or Research Practice (119.728) if this has not been completed in prior studies. Special Topic

papers 238.785 and 238.786 to a maximum of 45 credits may be included. Not more than 30 credits of Professional Development (5 credit) papers shall be included.

- Unless a concession is granted, a candidate shall follow an approved course of study for the equivalent of two years full-time study, and not more than six years part-time study.

Papers

- The papers that may be selected are those listed in the Schedule to the Master of AgriScience. Up to 30 credits may be approved from papers chosen from Schedules from other postgraduate programmes. Not more than 30 credits of Professional Development (5 credit) papers shall be included.

Concessions

- Candidates who have completed four years of degree studies and attained a GPA of 5 (usually a three-year degree plus Honours, or Postgraduate Diploma) or a degree supplemented by relevant and extensive practical, professional or scholarly experience may complete the degree with a minimum of 120 credits of further study as prescribed in Regulation 1.
- The Masters can be awarded unendorsed or in the subjects as for the Postgraduate Diploma in AgriScience.

Schedule to the Degree of Master of AgriScience

112.748	Advanced Food and Agribusiness Strategies	30	P Graduate status and PPD
117.761	Ruminant Livestock Feeding	15	P 117.254 or PPD
117.762	Intensive Livestock Feeding	15	P 117.342 or PPD, Graduate status
117.764	Growth and Meat Science	15	P 117.344 or PPD, Graduate status
117.765	Genetics and Breeding	15	P 117.345 or PPD, Graduate status
117.767	Reproduction and Fertility	15	P 117.347 or PPD, Graduate status
117.768	Metabolism and Endocrinology	15	P 117.348 or PPD, Graduate status
117.769	Lactation and Milk Production	15	P 117.347 or PPD, Graduate status
117.771	Dairy Production	15	P 117.351 or 117.371 or 117.381
117.772	Sheep Production	15	P 117.352 or 117.371 or 117.381
117.773	Beef Cattle Production	15	P 117.353 or 117.371 or 117.381
117.774	Pig Production	15	P 117.354 or 117.371 or 117.381
117.775	Deer Production	15	P 117.355 or PPD, Graduate status
117.776	Poultry Production	15	P 117.354 or 117.371 or 117.381
117.784	Advanced Studies in Animal Science	30	P PPD and Graduate status
119.710	Nutrient Management in Grazed Pasture Systems	30	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management (or PAD).
119.711	Nutrient Management in Arable Systems	15	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management (or PAD).
119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and PPD
119.731	Topics in Agricultural Extension and Consultancy	15	P Graduate status, PPD; R 111.755
119.751	Advanced Farm and Horticultural Management	30	P Graduate status, 119.381, 119.382, 119.358 or PPD; R 111.752
178.762	Natural Resource and Environmental Economics for Non-Economists	30	
188.752	Land Reclamation	15	P Graduate status and PPD
189.752	Advanced Soil Fertility	30	P At least 30 300-level credits in Soil Science, or a strong science background with PHOS.
189.753	Soil and Land Evaluation	30	P Graduate status and 189.364 or PPD
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status

189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
189.759	Advanced Studies in Soil Science	30	P At least 30 300 level credits in Soil Science, or a strong science background with PHOS; R any 189.78x paper from which modules have been selected
235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
238.751	Agricultural Greenhouse Gas Emission Science	15	P Graduate status and PPD
238.752	Mitigation Strategies for Agricultural Greenhouse Gas Emissions	15	P 238.751, Graduate status and PPD
238.785	Special Topic	15	P Graduate status and PPD
238.786	Special Topic	30	P Graduate status and PPD
238.798	Research Report	30	P Graduate status and PPD
283.701	Advanced Pasture Production and Practice	15	P 171.301 or 283.301 or PPD, Graduate status; R 171.707
283.702	Advanced Agronomy	30	P 283.301 or 283.321 or 283.305 or 283.303 or 171.308, Graduate status and PPD; R 171.701 or 171.711,171.713
283.707	Plant Breeding	30	P PPD; R 171.754
284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701
284.741	Post-harvest Physiology	30	P Graduate status and PPD; R 171.749
285.711	Integrated Pest Management	30	P Graduate status and PPD; R 171.763
285.742	Advanced Plant Protection	30	P 285.301, 283.311 or PPD; R 283.741, 285.711, 285.701
286.701	Advanced Equine Production	15	P PPD; R 117.777
286.711	Equine Science	15	P PPD and Graduate status; R 117.763
238.885	Thesis 90 Credit Part 1	45	P Graduate status and PPD
238.886	Thesis 90 Credit Part 2	45	P Graduate status and PPD; C 238.885
238.888	Thesis	90	P Graduate status and PPD
238.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
238.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 238.897
238.899	Thesis	120	P Graduate status and PPD

The Degree of Master of Analytics MAnalyt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Analytics requires that the candidate will:
 - meet the University admission requirements as specified; and

- have been awarded or qualified for a Bachelor's degree in the subject in which they intend to specialise, or equivalent, with a B grade average across the higher level papers;
- have sufficient background in statistical analysis tools to satisfy the Academic Board that they have the capacity to undertake the programme.

Qualification Requirements

- Candidates for the Degree of Master of Analytics shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - Part One and Part Two as defined by the Schedule to the Qualification, and including:

- (a) any compulsory papers listed in the Schedule for the Qualification;
- (b) at least one subject;
- (c) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

4. Candidates may complete a subject by passing at least 120 credits in a specialisation including the Applied Analytics Project from Part Two. The requirements for each subject are set out in the Schedule for the Qualification.

Approved subjects are: Business.

Academic Requirements

5. Every candidate for the Degree of Master of Analytics shall complete to the satisfaction of the Academic Board, a minimum of 600 hours in approved practica and associated reports in accordance with the following papers:

115.801 Applied Analytics Project.

Student Progression

6. In cases of sufficient merit, the Degree of Master of Analytics may be awarded with a class of Honours.
7. For progression from Part One to Part Two, candidates must have maintained a B grade average over the papers undertaken in Part One.

Completion Requirements

8. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates will apply.
9. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded a relevant postgraduate diploma should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

10. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Master of Analytics

Part One

Compulsory papers:

161.750	Introduction to Analytics	15
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161.772	Multivariate Analysis for Researchers	15	P Graduate status and PAD; R 161.323
161.777	Practical Data Mining	15	P Graduate Status and PPD; R 161.223 and 161.324
178.724	Applied Econometric Methods	15	

Subject papers:

Business (60 credits from one option)

Option One: Marketing

156.761	Customer Insights	30
156.762	Return on Marketing Investment	30

Option Two: Finance

Track 2a: If student satisfies prerequisite for 125.785

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent.
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30 credits from:

125.740	Advanced Investment Analysis	30	P Graduate status and PHOS
125.781	Advanced Financial Risk	30	P Graduate status and PHOS

Track 2b: If student does not satisfy prerequisite for 125.785

125.700	Managerial Finance	30	
125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent

Option Three: Systems and Operations

240.752	Integrated Logistics	30	P Graduate status and PPD
240.753	Supply Chain Systems Analysis	15	P Graduate status and PPD
240.754	Supply Chain Optimisation	15	P Graduate status and Permission PD
240.756	Value Chain Management	15	P Graduate status
240.758	Research Methods for Supply Chain Management	30	P Graduate status

Part Two

115.801	Applied Analytics Project	60
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The Degree of Master of Applied Economics MApplEcon

No new enrolments

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. The course shall consist of 240 postgraduate credits and must include:
- (a) 178.700, 178.705, 178.708, 178.721, and 178.723; and
 - (b) a 120-credit thesis (178.899, or 178.897 and 178.898).
- Remaining credits will be chosen from the papers listed in the Schedule to the BApplEcon(Hons) Regulations or approved electives.
2. A candidate who has qualified for the award of the Degree of Bachelor of Applied Economics with Honours or the equivalent degree of another recognised university shall follow a course of study for not less than 10 months consisting of a 90-credit thesis and 30 credits of approved papers or a 120-credit thesis, which together with the qualifying course of study shall form a coherent programme of 240 credits.

Reported Research

3. The following conditions shall apply to the preparation and submission of the thesis:
- (a) Candidates shall, before they begin work on the thesis, discuss a thesis proposal with a full-time academic staff member of the School of Economics and Finance, who shall recommend to the Academic Board the appointment of a supervisor and an adviser (thesis committee).
 - (b) When the thesis is forwarded to an assessor, the Head of the School of Economics and Finance shall supply a certificate from the supervisor stating that the thesis embodies work carried out by the candidate under direct supervision and stating also the part the supervisor played in the preparation of the thesis.
 - (c) The oral defence shall be considered as part of the overall examination of the thesis.
 - (d) The Head of the School of Economics and Finance shall supply to the candidate a set of guidelines for the thesis approved by the Academic Board. The guidelines shall refer to the time when research work should commence, the period of time during which the research should proceed, the form of the report that is required and the final date for the presentation.

The Degree of Master of Applied Social Work

MAppSW

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Applied Social Work requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for an undergraduate degree, either in the social sciences (such as social and cultural studies, psychology, human development) or an alternative degree with substantial relevant experience in a social or community setting; and
 - hold a drivers' licence that is valid in New Zealand unless otherwise exempted, and
 - provide satisfactory evidence of their proficiency in English, in the form of an overall academic score of at least 6.5 in an IELTS assessment with no band score less than 6.5 within the preceding two years, if English is not the applicant's first language; and
 - be selected into the programme.

Qualification Requirements

- Candidates for the Degree of Master of Applied Social Work shall follow a course of study comprising of papers totalling at least 240 credits
And including:
 - any compulsory papers identified in the Schedule for the Qualification
 - attending contact or block courses, field trips, workshops, tutorials, and practice laboratories as required.

Specialisations

- The Degree of Master of Applied Social Work is awarded without specialisation.

Academic Requirements

- Every candidate for the Master of Applied Social Work shall perform at least 120 days of approved supervised field education and associated reports, in accordance with the requirements of the following papers:
 - 179.789 Field Work Practice I
 - 179.790 Field Work Practice II.

Student Progression

- Candidates must continue to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work'; Candidates must advise the Programme Coordinator of any change to their circumstances in this regard within 7 days, including any conviction or criminal charges pending. Annual confirmation of eligibility is required.

- The Degree of Master of Applied Social Work may be awarded with or without a class of Honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- For candidates enrolled in the Degree of Master of Applied Social Work, the following will lead to exclusion from the qualification:
 - Failure to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work';
 - Failure to obtain a pass in a compulsory paper for which they have been enrolled for on two occasions;
 - Persons excluded under clause 9(b) will only be re-admitted to the Degree of Master of Applied Social Work with approval of the Academic Board, which may be declined, or granted under such conditions as it may determine.

Transitional Provisions

- All candidates commencing study towards the Degree of Master of Applied Social Work on or after 1 January 2015 must satisfy the requirements specified in these regulations.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Compulsory papers (240 credits):

179.781	Social and Community Work Theory and Practice I	30	
179.782	Social Policy Analysis	30	
179.783	Maori Development and the Social Services	30	
179.784	Social and Community Work Theory and Practice II	30	P 179.781
179.789	Field Work Practice I	30	C 179.781
179.790	Field Work Practice II	30	C 179.784 and P 179.789
179.792	Management in the Social Services	15	P 179.781 or C 179.782
179.891	Applied Research in Social Work	15	C 179.782
179.895	Research Report – Master of Applied Social Work	30	C 179.784, 179.891 and 179.789

The Degree of Master of Applied Statistics

MAppStat

Qualification Regulations

Part One

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part Two

Admission

- Admission to the Degree of Master of Applied Statistics requires that the candidate will:
 - meet the University admission requirements as specified; and

- (b) shall have been awarded or qualified for a Bachelor's degree with a major in Statistics, or equivalent, having achieved a B grade average or higher over the qualifying highest level papers.

Qualification Requirements

2. Candidates for the Degree of Master of Applied Statistics shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
- completion of Part One and Part Two as defined by the Schedule to the Degree;
 - papers selected from the Schedule to the Degree; and including:
 - any Compulsory Papers listed in the Schedule to the Degree.

Specialisations

3. The Degree of Master of Applied Statistics is awarded without specialisations.

Student Progression

4. For progression from Part One to Part Two, candidates must have achieved a Grade Average of B+ over the first 90 credits undertaken for Part One.
5. In cases of sufficient merit, candidates may be awarded Distinction or Merit.

Completion Requirements

6. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
7. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Science (Statistics) should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

8. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

9. All candidates who commenced study towards the Masters of Applied Statistics on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
10. Candidates who commenced study towards the Master of Applied Statistics prior to 1 January 2015, and who have successfully completed 30 credits toward the Masterate, may complete under the regulations as specified in the 2014 University Calendar.

11. These transition regulations expire in 2016, and candidates who have not completed by the end of 2016 must satisfy the requirements as specified in these regulations.

Schedule for the Qualification

Part One

Qualification Papers

Compulsory papers (30 credits):

161.705	Advanced Statistical Inference	15	P PPD; Graduate status
161.770	Statistical Consulting	15	P PPD; Graduate status

Elective papers (90 credits):

161.702	Theory of Linear Models	15	P PPD; Graduate status
161.704	Bayesian Statistics	15	P PPD; Graduate status
161.709	Topic in Statistical Theory	15	P PPD; Graduate status
161.721	Design and Analysis of Experiments	15	P PPD; Graduate status
161.723	Theory of Multivariate Statistics	15	P PPD; Graduate status
161.725	Statistical Quality Control	15	P PPD; Graduate status
161.726	Extensions to the Linear Model	15	P PPD; Graduate status
161.729	Topics in Applied Statistics	15	P PPD; Graduate status
161.742	Time Series Analysis	15	P PPD; Graduate status; R 161.774
161.743	Statistical Reliability and Survival Analysis	15	P PPD; Graduate status
161.749	Topics in Applied Probability	15	P PPD; Graduate status
161.790	Special Topic	15	P PPD; Graduate status
161.791	Special Topic	15	P PPD; Graduate status

Including no more than 30 credits from:

161.771	Analysis of Experiments for Researchers	15	P PPD; Graduate status; R 161.321
161.772	Multivariate Analysis for Researchers	15	P PPD; Graduate status; R 161.323
161.773	Regression for Researchers	15	P PPD; Graduate status; R 161.320
161.774	Time Series for Researchers	15	P PPD; Graduate status; R 161.342
161.775	Sample Surveys	15	P PPD; Graduate status; R 161.322
161.776	Statistical Modelling for Researchers	15	P One of 161.200-161.240; R 161.304
161.777	Practical Data Mining	15	P PPD; Graduate status; R 161.223 and 161.324
161.778	Biostatistics for Researchers	15	P PPD; Graduate status; R 161.331

Part Two (60 credits)

161.893	Research Report	60	P Graduate status and PPD
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The Degree of Master of Arts

MA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Master of Arts requires that the candidate:
- meets the University admission requirements as specified; and shall have:
 - been awarded or qualified for a Bachelor of Arts with a major in the intended postgraduate subject, or equivalent, with at least a B grade average across the 200-300 level specialisation papers; or
 - been awarded or qualified for a Bachelor's degree with a minor in the intended postgraduate subject followed by a Graduate Certificate in Arts with an endorsement in the intended postgraduate subject, with

at least a B grade average across the 200–300-level specialisation papers; or

- been awarded or qualified for a Bachelor's degree followed by a Graduate Diploma in Arts in the endorsement of the intended postgraduate subject with at least a B grade average across the 200–300-level specialisation papers; or
- been awarded or qualified for a Bachelor of Arts (Honours) with a subject in the intended postgraduate subject, or a Postgraduate Diploma in Arts with an endorsement in the intended postgraduate subject, or an equivalent qualification, with at least a B+ grade average across the 700-level papers for entry to the Research Pathway or a B grade average across the 700-level papers for entry to the Coursework Pathway; or
- been awarded or qualified for a Postgraduate Diploma in Second Language Teaching with at least a B+ grade average for entry to the Master of Arts (Second Language Teaching) Research Pathway or a B grade average for entry to the Coursework Pathway;

- (g) been awarded or qualified for a Postgraduate Diploma in Museum Studies with at least a B+ grade average for entry to the Master of Arts (Museum Studies) Research Pathway or a B grade average for entry to the Coursework Pathway.
2. In all cases, if English is not the applicant's first language and the admission qualification was not completed at a University where English is the medium of instruction, the applicant shall have achieved an IELTS of 7.0 with no band less than 6.5.

Qualification Requirements

3. Candidates for the Master of Arts shall follow a parts-based course of study totalling at least 180 credits, comprising:
- (a) completion of Part One and Part Two as detailed in the Schedule for the Qualification;
 - (b) completion of a subject.
4. Notwithstanding Regulation 3, the course of study for candidates admitted under Regulation 1(e)–(g) will consist of at least 120 credits from papers listed in the Schedule for a subject, including:
- (a) Part Two as detailed in the Schedule for the Qualification; and
 - (b) up to 60 credits from Part One papers listed in the Schedule for a subject.

Specialisations

5. Candidates for the Degree of Master of Arts must complete the requirements for one subject.
6. The requirements for each subject are set out in the Schedule for the Qualification.
7. The subjects available for the Master of Arts are: Defence and Security Studies, Economics, Education, English, Geography, History, Māori Studies, Mathematics, Media Studies, Museum Studies, Philosophy, Politics, Psychology, Second Language Teaching, Social Anthropology, Social Policy, Sociology and Statistics.

Student Progression

8. For progression to Part Two in the Master of Arts (Coursework Pathway), candidates must have achieved at least a B grade average in the first 60 credits of papers completed in Part One.
9. For progression to Part Two in the Master of Arts (Research Pathway), candidates must have achieved at least a B+ grade average in the first 60 credits of papers completed in Part One.
10. Candidates who do not meet the criteria for progression to Part Two, but who have achieved at least a C grade average in the first 60 credits of papers in Part One, may transfer to the Postgraduate Diploma in Arts.
11. In cases of sufficient merit, the Degree of Master of Arts may be awarded with Distinction or Merit.

Completion Requirements

12. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
13. Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Arts or the Postgraduate Diploma in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

14. The general Unsatisfactory Academic Progress regulations will apply.

Transition Regulations

15. All candidates who commenced study towards the Master of Arts on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
16. Candidates who commenced study towards the Master of Arts prior to 1 January 2015 may choose to transfer to these regulations, but must satisfy all requirements as specified.
17. Candidates who have completed fewer than 90 credits, as at 1 January 2015, must transfer to the new Master of Arts regulations.

18. Candidates who have completed 90 credits or more, as at 1 January 2015, may continue under the previous Master of Arts regulations but must complete by the end of 2017.

Schedule for the Qualification

Defence and Security Studies

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Compulsory paper (30 credits):

149.790	Research Methods in Defence and Security Studies	30	
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Subject papers:

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	P Graduate status
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.710	Military History	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.798	Research Report	30	

Part Two – Coursework Pathway (60 credits)

149.873	Research Report Defence and Security Studies (60)	60	
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Part Two – Research Pathway (90–120 credits)

149.881	Thesis 90 Credit Part 1	45	
149.882	Thesis 90 Credit Part 2	45	C 149.881
149.883	Thesis	90	
149.891	Thesis Defence and Security Studies Part I (45)	45	
149.892	Thesis Defence and Security Studies Part II (45)	45	
149.894	Thesis 120 Credit Part 1	60	P Graduate status
149.895	Thesis 120 Credit Part 2	60	P Graduate status; C 149.894
149.899	Thesis	120	

Economics

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60 credits)

One paper from the following (30 credits)

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent
178.732	Advanced Econometrics	30	P 125.785 or any 300-level Econometrics paper

Subject papers:

178.702	Macroeconomics	30	P Graduate status and 178.703, or 178.200 and 178.220 or 178.280, or PHOS; R 178.700, 178.714
178.703	The Theory and Practice of Economics	30	
178.712	International Monetary Economics	30	
178.713	Microeconomics	30	Graduate status and any 300-level Microeconomics paper or PHOS

178.718	Health Economics	30	
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate level Economics paper or 178.703, or PHOS; R 178.750, 178.770
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P. Graduate status and PHOS
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 178.756
178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS

Part Two – Coursework Pathway (60 credits)

178.894	Research Report Economics (60)	60	
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Part Two – Research Pathway (120 credits)

178.897	Thesis 120 Credit Part 1	60	
178.898	Thesis 120 Credit Part 2	60	C 178.897
178.899	Thesis	120	

Education

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Subject papers:

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
254.702	Facing Big Questions in Education	30	R 180.702
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	187.774
254.773	Educational Policy Analysis	30	187.773
254.774	Evaluation of Educational Organisations	30	187.774
254.775	Management of Human Resources in Educational Organisations	30	187.775
261.765	Trends in E-Learning	30	186.761, 186.765
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
265.737	Young Children and Their Families	30	R 186.737
269.733	Mana Motuhake: Contemporary Issues in Maori and Indigenous Education	30	

Part Two – Coursework Pathway (60 credits)

267.860	Professional Inquiry	60	
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Part Two – Research Pathway (90–120 credits)

267.899	Thesis	120	P 267.782 and 267.783 (or equivalent); R 267.871 and 267.872
267.871	Thesis 120 Credit Part 1 (60)	60	P 267.782 and 267.783 (or equivalent); R 267.899
267.872	Thesis 120 Credit Part 2 (60)	60	P 267.871; C 267.781; R 267.899
267.880	Thesis	90	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 267.720, 267.723, 267.780, 267.788 or approved equivalent; All of 186.722, 186.744, 186.754, 186.756 or all of 249.744, 256.754, 267.781, 258.722 for MEdPysch

267.881	Thesis 90 Credit Part 1	45	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 186.723, 187.720, 267.720, 267.723, 267.780, 267.788, or approved equivalent; All of 186.722, 186.744, 186.754 and 186.756 or all of 249.744, 258.722, 256.754, and 267.781 for MEdPsych; R 180.897, 186.891, 186.892, 186.893, 187.892, 267.880
267.882	Thesis 90 Credit Part 2	45	P 267.881; R 180.897, 180.899, 186.891, 186.892, 186.893, 187.892, 267.880

English

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Subject papers:

139.703	Critical and Creative Research	30	P Postgraduate status
139.707	Women, Desire and Narrative	30	
139.710	Rhetoric, Composition and the Teaching of Writing	30	
139.724	Literary Revolutions: 18th Century and Romantic Literature	30	P Graduate status with a major or a minor in English
139.725	The Post-Romantic Subject	30	
139.728	Early Modern Metadrama: Vices and Devices	30	P Graduate status with a major or a minor in English
139.750	Contemporary New Zealand Writers in an International Context	30	R 139.795 (2008 only)
139.752	Aotearoa New Zealand Drama and Performance	30	
139.757	Twentieth-Century New Zealand Fiction: Texts and Theories	30	P Graduate status, with a major or minor in English or equivalent
139.758	Postcolonial Writing	30	
139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P Graduate status, and 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	Graduate status and 139.329; or PHOS
139.763	Community Theatre	30	R 139.753
139.775	Trauma, Memory, Haunting	30	
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and PHOS

Part Two – Coursework Pathway (60 credits)

139.873	Research Report English (60)	60	
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Part Two – Research Pathway (90–120 credits)

139.899	Thesis	120	
139.816	Thesis 120 Credit Part 1	60	
139.817	Thesis 120 Credit Part 2	60	C 139.816
139.883	Thesis	90	
139.881	Thesis 90 Credit Part 1	45	
139.882	Thesis 90 Credit Part 2	45	C 139.881

Geography

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Subject papers:

145.701	Power and Geographic Knowledge	30	
145.702	Advanced Field Techniques in Geomorphology	30	
145.704	Advanced Quaternary Biogeography	30	P 145.320 or equivalent
145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status, plus one from 145.303, 145.304, 145.327, or equivalent
145.706	Historical Geography	30	
145.707	Economic Geography	30	
145.710	Consumption and Place	30	

145.799	Research Report	30
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Part Two – Coursework Pathway (60 credits)

145.873	Research Report Geography (60)	60
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Part Two – Research Pathway (90–120 credits)

145.899	Thesis	120
145.897	Thesis 120 Credit Part 1	60
145.898	Thesis 120 Credit Part 2	60 C 145.897
145.883	Thesis	90
145.881	Thesis 90 Credit Part 1	45
145.882	Thesis 90 Credit Part 2	45 C 145.881

History

Part One – Research Pathway only

Compulsory papers (60 credits):

148.720	Advanced Historiography	30
148.730	Advanced Historical Methodology	30

Part Two (120 credits)

148.899	Thesis	120
148.816	Thesis 120 Credit Part 1	60 P Graduate status
148.817	Thesis 120 Credit Part 2	60 P Graduate status; C 148.816

Māori Studies

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Compulsory paper (30 credits):

150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30
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Subject papers:

150.701	Tino Rangatiratanga: Strategic Māori Development	30
150.702	Mauri Ora: Māori Mental Health	30
150.710	Te Reo Whakawhitiwhiti: The Language of Everyday Communication	30
150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30
150.715	Taonga Tuku Iho: Heritage Aotearoa	30
150.799	Research Report (30)	30

Part Two – Coursework Pathway (60 credits)

150.873	Research Report Māori Studies (60)	60
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Part Two – Research Pathway (90–120 credits)

150.899	Thesis	120
150.816	Thesis 120 Credit Part 1	60
150.817	Thesis 120 Credit Part 2	60 C 150.816
150.883	Thesis	90
150.881	Thesis 90 Credit Part 1	45
150.882	Thesis 90 Credit Part 2	45 C 150.881

Media Studies

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Subject papers:

154.701	Modern and Postmodern Visual Cultures	30
154.702	Advanced Film Studies	30
154.704	Media Research Methods	30
154.707	The World of Noir	30
154.708	Modern Fiction, Popular Culture and the Media	30

154.709	Technology and Cultural Change	30
154.719	Media, Entertainment, and Ethics	30
154.747	Media Practice and Global Culture	30 P 154.204 or 154.224 or 154.304 or PHOS
219.705	Advanced News Media Processes	30 P Graduate status

Part Two – Coursework Pathway (60 credits)

154.873	Research Report Media Studies (60)	60
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Part Two – Research Pathway (90–120 credits)

154.899	Thesis	120
154.816	Thesis 120 Credit Part 1	60
154.817	Thesis 120 Credit Part 2	60 C 154.816
154.883	Thesis	90
154.881	Thesis 90 Credit Part 1	45
154.882	Thesis 90 Credit Part 2	45 C 154.881

Museum Studies

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

Compulsory papers (30 credits):

150.715	Taonga Tuku Iho: Heritage Aotearoa	30
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Subject papers:

167.742	Collection Management	30
167.743	Museum Management	30
167.744	Museums and the Public	30

Part Two – Coursework Pathway (60 credits)

167.890	Advanced Research Practicum	60
167.896	Research Report Museum Studies (60)	60

Part Two – Research Pathway (90–120 credits)

167.899	Thesis	120 P Graduate status
167.816	Thesis 120 Credit Part 1	60
167.817	Thesis 120 Credit Part 2	60 C 167.816
167.883	Thesis	90
167.881	Thesis 90 Credit Part 1	45
167.882	Thesis 90 Credit Part 2	45 C 167.881

Philosophy

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (90 credits)

Compulsory paper:

134.710	Philosophical Research	30
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Subject papers:

134.740	Advanced Study of Philosophical Topics	30
134.750	Advanced Study of Philosophical Texts	30
134.799	Research Report (60)	60

Part Two – Coursework Pathway (60 credits)

134.873	Research Report Philosophy (60)	60
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Part Two – Research Pathway (90 credits)

134.899	Thesis	120
134.816	Thesis 120 Credit Part 1	60 P Graduate status
134.817	Thesis 120 Credit Part 2	60 P Graduate status; C 134.816
134.883	Thesis	90
134.881	Thesis 90 Credit Part 1	45
134.882	Thesis 90 Credit Part 2	45 C 134.881

Politics

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (90 credits)

Compulsory papers (90 credits):

176.702	Advanced Social Inquiry	30	
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
200.762	Presidents and Prime Ministers	30	P Graduate status

Subject papers (30 credits):

131.703	Gender and Development	30	
150.701	Tino Rangatiratanga: Strategic Māori Development	30	
219.708	Political Communication	30	

Part Two – Coursework Pathway (60 credits)

200.873	Research Report Politics (60)	60	
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Part Two – Research Pathway (90 credits)

200.883	Thesis	90	
200.881	Thesis 90 Credit Part 1	45	
200.882	Thesis 90 Credit Part 2	45	C 200.881

Psychology

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60 credits)

Compulsory paper (15 credits):

175.738	Psychological Research: Principles of Design	15	
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Subject papers:

175.705	Applied Behaviour Analysis	15	
175.718	Postmodernism and Psychology	15	
175.719	Applied Criminal Psychology	15	
175.720	Advanced Psychology of Women	15	
175.721	Child and Family Therapy	15	
175.722	Principles of Clinical Neuropsychology	15	
175.725	Advanced Social Psychology	30	
175.729	Psychology and Culture	15	
175.730	Professional Practice in Psychology	15	
175.732	Psychological Well-being in Organisations	15	
175.733	Culture at Work	15	
175.734	Child Clinical Neuropsychology	15	
175.737	Occupational Psychology	15	
175.739	Health Psychology: Understanding Health and Illness	15	
175.740	Occupational Health Psychology	15	P Graduate status
175.741	Psychological Assessment in Organisations	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
175.747	The Psychology of Sport and Exercise	15	
175.748	The Psychology of Organisational Change	15	
175.751	Neuropsychological Rehabilitation	15	
175.761	Theory and Practice of Cognitive Behaviour Therapy	15	
175.781	Clinical Psychopathology	15	R 175.701
175.782	Clinical Psychology Assessment	15	R 175.708
175.783	Clinical Psychology Interventions	15	R 175.707, 175.727

Part Two – Coursework Pathway (60 credits)

175.873	Research Report Psychology (60)	60	
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Part Two – Research Pathway (120 credits)

175.899	Thesis	120	
175.894	Thesis 120 Credit Part 1	60	
175.896	Thesis 120 Credit Part 2	60	C 175.894

Psychology with endorsement in Health Psychology

No new enrolments from 2015.

Second Language Teaching

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (60–90 credits)

272.701	Language Awareness and Language Issues	30	R 172.701
272.702	The Second Language Learning Process	30	R 172.702
272.703	The Methodology of Second Language Teaching	30	R 172.703
272.704	Curriculum and Materials Design	30	P Graduate status and 272.703; C 272.703; R 172.704
272.799	Research Report (30)	30	R 172.799

Part Two – Coursework Pathway (60 credits)

272.873	Research Report Second Language Teaching (60)	60	
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Part Two – Research Pathway (90–120 credits)

272.899	Thesis	120	
272.816	Thesis 120 Credit Part 1	60	
272.817	Thesis 120 Credit Part 2	60	C 272.816
272.883	Thesis	90	
272.881	Thesis 90 Credit Part 1	45	
272.882	Thesis 90 Credit Part 2	45	C 272.881

Social Anthropology

Part One – Research Pathway only (60 credits)

Compulsory papers (60 credits):

146.701	Contemporary Approaches in Anthropological Theory	30	
146.703	The Practice of Anthropology	30	

Part Two – Research Pathway (120 credits)

146.899	Thesis	120	
146.816	Thesis 120 Credit Part 1	60	P Graduate status
146.817	Thesis 120 Credit Part 2	60	P Graduate status; C 146.816

Social Policy

Part One – Coursework Pathway (120 credits)

Part One – Research Pathway (90 credits)

Compulsory papers (90 credits):

179.702	Advanced Research Methods	30	
279.701	Social Policy and Political Economy	30	R 179.701
279.703	Social Policy Studies	30	R 179.704

Subject papers:

132.741	Long-Term Community Planning	30	Graduate status
179.711	Special Topic	30	
179.783	Māori Development and the Social Services	30	

Part Two – Coursework Pathway (60 credits)

279.873	Research Report Social Policy (60)	60	
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Part Two – Research Pathway (90 credits)

279.898	Thesis	90	
279.881	Thesis 90 Credit Part 1	45	
279.882	Thesis 90 Credit Part 2	45	C 279.881

Sociology**Part One – Coursework Pathway (120 credits)****Part One – Research Pathway (60–90 credits)**

Compulsory papers (60 credits):

176.701	Current Issues and Theories	30	
176.702	Advanced Social Inquiry	30	

Subject papers

176.711	Sociology of Underdevelopment	30	
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176.715	Culture and New Zealand Society	30	
176.718	Environmental Sociology	30	
176.799	Research Report (30)	30	

Part Two – Coursework Pathway (60 credits)

176.873	Research Report Sociology (60)	60	
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Part Two – Research Pathway (90–120 credits)

176.899	Thesis	120	P Graduate status
176.816	Thesis 120 Credit Part 1	60	
176.817	Thesis 120 Credit Part 2	60	C 176.816
176.883	Thesis	90	
176.881	Thesis 90 Credit Part 1	45	
176.882	Thesis 90 Credit Part 2	45	C 176.881

The Degree of Master of Aviation**MAv****Qualification Regulations****Part I**

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II**Admission**

- Admission to the Degree of Master of Aviation requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for a Bachelor of Aviation, Bachelor of Aviation Management or equivalent degree or qualification, having achieved a grade average of at least a B- in the highest level papers.

Qualification Requirements

- Candidates for the Master of Aviation shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising:
 - Part One and Part Two as defined by the Schedule to the Degree; And including:
 - at least 60 credits at 800-level in accordance with either the Research pathway or the Professional pathway;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 2, the Master of Aviation course of study for a candidate who has been awarded the Degree of Bachelor of Aviation Management with Honours, or the equivalent degree of another recognised university, shall consist of papers totalling at least 120 credits from either the Research pathway or the Professional pathway as defined by the Schedule to the Degree, including the completion of at least 60 credits from Part Two.

Specialisations

- The Degree of Master of Aviation is awarded without specialisation.

Student Progression

- For progression from Part One to Part Two in the Master of Aviation, candidates must have achieved a Grade Average of at least B- over the Part One papers, including the compulsory papers.
- In cases of sufficient merit, a Master of Aviation completed via the Research pathway may be awarded with a class of honours.

- In cases of sufficient merit, a Master of Aviation completed via the Professional Pathway may be awarded either merit or distinction.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Aviation or the Postgraduate Certificate in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Master of Aviation on or after 1 January 2015 must satisfy the requirements specified in these regulations.
- Candidates who commenced study towards the Master of Aviation prior to 1 January 2015 may choose to transfer to these regulations, but must satisfy all requirements as specified.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Degree of Master of Aviation**Master of Aviation (Research Pathway)****Part One (at least 60 credits)**

Compulsory paper (30 credits):

190.704	Research Methods in Aviation	30	P Graduate status
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Subject papers:

190.701	Human Factors for Professional Aviation	30	P Graduate status
190.703	Management in Aviation Systems	30	P Graduate status
190.720	Aviation Strategic Management	30	P Graduate status
190.790	Special Topic	30	P Graduate status

Part Two (at least 60 credits)

115.894	Research Report Part 1	30	P An approved postgraduate research methods paper as specified in the schedule to the MBS.
115.895	Research Report Part 2	30	P An approved postgraduate research methods paper as specified in the schedule to the MBS
190.890	Thesis 90 Credit Part 1	45	P Graduate status and PHOS
190.891	Thesis 90 Credit Part 2	45	Graduate status and PHOS; C 190.890
190.892	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
190.893	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 190.892
190.895	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MAV.
190.898	Thesis	90	P Admission to Part Two of the Master of Aviation
190.899	Thesis	120	P Graduate status and PHOS

Master of Aviation (Professional Pathway)

Part One (120 credits)

Compulsory papers (60 credits):

190.703	Management in Aviation Systems	30	P Graduate status
190.720	Aviation Strategic Management	30	P Graduate status

Subject papers (60 credits):

190.701	Human Factors for Professional Aviation	30	P Graduate status
190.721	Design and Management of Airports	30	P Graduate status
190.790	Special Topic	30	P Graduate status and PHOS
190.791	Special Topic	30	P Graduate status and PHOS

Part Two (60 credits)

190.894	Professional Practice in Aviation	60	P Admission to Part Two of the Master of Aviation.
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The Degree of Master of Business Administration MBA

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- Candidates shall complete the requirements for the award of the degree within the following periods of first enrolling for the degree. These periods may, in exceptional circumstances, be extended by the College of Business Board:
 - Full time candidates – 15 months;
 - Part-time (Executive) candidates - two calendar years plus one month (25 months); or
 - Modular candidates – three calendar years plus six months (42 months).

Failure to complete the degree within the time allowed may result in the candidate being excluded from the programme.
- To qualify for the degree, candidates shall meet coursework requirements and pass examinations in Parts A and B.
- In cases of sufficient merit the degree may be awarded with Distinction provided that the requirements for the award of the degree are completed within the periods specified in Regulation 1, which periods may in exceptional circumstances be extended by the Academic Board.
- The course of study shall comprise two parts, A and B:
 - Part A shall consist of the papers (totalling 120 Credits), shown in the Schedule to this Regulation.
 - Candidates will be permitted to enrol in Part B only after having passed all of the papers for Part A, and having attended the appropriate skills development programme.
 - Part B shall consist of papers and the MBA Applied Research Project (totalling 120 credits), shown in the Schedule to this Regulation.
 - Should there be sufficient demand, 30 credits of postgraduate papers relevant to a particular industrial or professional group may be substituted for the 30 credits of elective papers in Part B from time to time at the discretion of the College of Business Board.

Schedule of Papers for Regulation 4

Part A

115.721	Business Law and Ethics	15
115.723	Accounting I	15
115.724	Business Finance	15
115.725	Leadership and People	15
115.726	Marketing	15
115.728	Contemporary Strategy	15
115.732	Operations and Logistics	15
115.745	Economics – Applied and International	15

Part B

115.727	Entrepreneurship and Innovation	15
115.731	Change Management	15
115.734	Strategic Management – Planning and Application	15
115.735	Applied Business Research	15

Plus 30 credits from the following elective papers:

115.729	Accounting and Management	15
115.736	Business Development	15
115.738	Corporate Governance Best Practice	15
115.739	Special Topic I	15
115.740	Special Topic II	15
115.750	Investments and Risk	15

And

115.737	MBA Applied Research Project	30
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The Degree of Master of Business Studies

MBS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Business Studies requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for a relevant Bachelor's degree or equivalent qualification, having achieved a grade average of at least a B- in the highest level papers.

Qualification Requirements

- Candidates for the Master of Business Studies shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising:
 - Part One and Part Two as defined by the Schedule to the Degree;
 - completion of a subject.
- Notwithstanding Regulation 2, the course of study for a candidate who has been awarded the Degree of Bachelor of Business Studies with Honours, or the equivalent degree of another recognised university, shall consist of papers totalling at least 120 credits comprising:
 - Part Two as defined by the Schedule to the Degree;
 - completion of a subject.

Specialisations

- Candidates for the Degree of Master of Business Studies may complete a subject by passing at least 180 credits in a subject including:
 - Thesis or Research Report of at least 60 credits;
 - any compulsory papers identified in the Schedule to the Degree.

The requirements for each subject are set out in the Schedule for the Qualification.
- Notwithstanding Regulation 4, candidates admitted under Regulation 3 may complete a subject by passing at least 120 credits in a subject including a Thesis or Research Report of at least 60 credits.
- Subjects available in the Master of Business Studies are: Accountancy, Banking, Communication, Economics, Finance, Human Resource Management, Management, and Marketing.

Student Progression

- For progression from Part One to Part Two, candidates must have achieved a Grade Average of B- over 60 credits of the Part One papers, including the compulsory papers.
- In cases of sufficient merit, a Master of Business Studies completed in accordance with Regulation 2 may be awarded with a class of honours.
- In cases of sufficient merit, a Master of Business Studies completed in accordance with Regulation 3 may be awarded with merit or distinction.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Business and Administration or the Postgraduate Certificate in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Master of Business Studies on or after 1 January 2014 must satisfy the requirements specified in these regulations.
- Candidates who commenced study towards the Master of Business Studies prior to 1 January 2014 may choose to transfer to these regulations, but must satisfy all requirements as specified.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Degree of Master of Business Studies

Compulsory paper (30 credits):

Accountancy

Part One

Compulsory paper (30 credits):

110.717	Research Methods in Accounting	30	P Graduate status
Subject papers:			
110.710	Contemporary Issues in Financial Accounting	30	P Graduate status and 110.309
110.711	Advanced Accounting Theory	30	P Graduate status and 110.311 or 110.309
110.780	Contemporary Issues in Taxation	30	P Graduate status and 110.389
110.785	International Taxation	30	P Graduate status
110.792	Special Topic	30	P Graduate status and PHOS

Part Two (at least 60 credits)

110.894	Research Report	60	An approved postgraduate research methods paper as specified in the schedule to the MBS
110.897	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
110.898	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 110.897
110.899	Thesis	120	P Graduate status and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Banking

Part One

Compulsory papers (60 credits):

125.785	Research Methods in Finance	30	P Graduate status and PHOS
137.710	The Theory and Management of Banking	30	P Graduate status and PHOS; R 137.701, 137.702

Subject papers:

137.703	International Banking and Financial Markets	30	P/C 137.710 and Graduate status and PHOS
137.704	Risk Management for Financial Institutions	30	P Graduate status and 137.710
137.711	Strategic Banking Issues	30	P/C Graduate status and PHOS and 137.710; R 137.701, 137.702

Part Two (at least 60 credits)

137.894	Thesis 120 Credit Part 1	60	P Graduate status
137.895	Thesis 120 Credit Part 2	60	P Graduate status; C 137.894

137.896	Research Report	60	An approved postgraduate research methods paper as specified in the schedule to the MBS
137.899	Thesis	120	P Graduate; 137.710, 125.785 and at least two of 137.703, 137.704, 137.711, and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Communication

Part One

Compulsory paper (30 credits):

219.790	Research Methods in Communication	30	P Graduate status and PHOS
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Subject papers:

219.702	Management Communication	30	P Graduate status
219.703	Advanced Business Communication	30	P Graduate status
219.704	Advanced Cross-Cultural Communication	30	P Graduate status
219.705	Advanced News Media Processes	30	P Graduate status
219.706	Advanced Public Relations	30	P Graduate status and PHOS
219.708	Political Communication	30	P Graduate status

Part Two (at least 60 credits)

219.887	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS.
219.897	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
219.898	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 219.897
219.899	Thesis – Communication and Journalism	120	P Graduate status and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Economics

Part One

Compulsory paper (30 credits):

xxx.7xx	An approved Research Methods paper	30	P Graduate status and PHOS
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Subject papers:

178.702	Macroeconomics	30	P Graduate status and PHOS
178.703	The Theory and Practice of Economics	30	P Graduate status and PHOS
178.712	International Monetary Economics	30	P Graduate status and PHOS
178.713	Microeconomics	30	P Graduate status and any 300-level microeconomics paper, or PHOS
178.718	Health Economics	30	P Graduate status and PHOS
178.732	Advanced Econometrics	30	P 125.785 or any 300-level Econometrics paper or PHOS
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate-level Economics paper or 178.703 or PHOS; R 178.750, 178.770
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 12.513, 78.456, 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS

178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS
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Part Two (at least 60 credits)

178.894	Research Report	60	An approved postgraduate research methods paper as specified in the schedule to the MBS
178.897	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
178.898	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 178.897
178.899	Thesis	120	P Graduate status and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Finance

Part One

Compulsory papers (30 credits):

125.785	Research Methods in Finance	30	P Graduate status and PHOS
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Subject papers:

125.700	Managerial Finance	30	P Graduate status and PHOS
125.732	Advanced Corporate Finance	30	P Graduate status and PHOS
125.740	Advanced Investment Analysis	30	P Graduate status and PHOS
125.742	Financial Market Behaviour	30	P Graduate status, 125.740 and PHOS
125.780	Advanced International Finance	30	P Graduate status and PHOS
125.781	Advanced Financial Risk Management	30	P Graduate status and PHOS

Part Two (at least 60 credits)

125.850	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS and MFin
125.851	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS and MFin
125.892	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS and MFin
125.897	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
125.898	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 125.897
125.899	Thesis	120	P Graduate status and PHOS; R 25.899

Human Resource Management

Part One

Compulsory paper (30 credits):

152.781	Advanced Research Methods in Business	30	P Graduate status and PHOS
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Subject papers:

114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
114.709	Managing the Employment Relationship	30	P Graduate status and PHOS
114.710	Organisational Learning	30	P Graduate status
114.722	Advanced Organisational Behaviour	30	P Graduate status, and PHOS or 114.702
114.723	Performance Management	30	P Graduate status and 114.326 or 114.700 or 114.702; R 114.724, 114.726
114.728	Valuing Human Resource Talent in Business Enterprises	30	P Graduate status and PHOS and 114.326 or 114.700 or 114.702

114.735	Competitive Advantage and HRM Strategy	30	P Graduate status, and PHOS or 114.326 or 114.700 or 114.702; R 114.725
114.761	International Human Resource Management	30	P Graduate status
114.762	Career Management in an International Context	30	P Graduate status

Elective papers (up to 30 credits):

114.731	Advanced Occupational Safety and Health	30	P Graduate status
114.770	Health and Safety Auditing	30	P Graduate status and PHOS
114.772	Advanced Occupational Hygiene	30	P Graduate status
114.773	Hazard Management	30	P Graduate status

Part Two (at least 60 credits)

114.894	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS
114.897	Thesis 120 Credit Part 1	60	Graduate status and PHOS
114.898	Thesis 120 Credit Part 2	60	Graduate status and PHOS; C 114.897
114.899	Thesis	120	P Graduate status and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Management

Part One

Compulsory paper (30 credits):

152.781	Advanced Research Methods in Business	30	P Graduate status and PHOS
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Subject papers:

114.722	Advanced Organisational Behaviour	30	P Graduate status, and PHOS or 114.702
152.700	Organisation and Management	30	P Graduate status and PHOS
152.701	Advanced Management	30	P Graduate status and PHOS
152.702	Advanced Strategic Management	30	P Graduate status
152.704	Business and Sustainability	30C	P Graduate status; R 115.783
152.705	Advanced Change Management	30	P Graduate status; R 152.707
152.707	Leading and Changing Organisations	30	P Graduate status; R 152.709, 152.705
152.709	Leadership	30	P Graduate status and PHOS; R 152.707
152.724	Advanced Services Management	30	P Graduate status and PHOS
152.731	Innovation and New Ventures	30	
152.732	Issues in Entrepreneurship	30	P Graduate status; R 26.442, 52.732
152.740	Public Sector Management	30	P Graduate status and PHOS
152.742	Health Systems Management	30	P Graduate status; R 250.742
152.743	Health Policy	30	P Graduate status or PHOS; R 250.743
152.746	Contemporary Issues in Health Service Management	30	P Graduate status; R 250.746
152.752	Project Management	30	P Graduate status and PHOS
152.753	Strategic Governance	30	P Graduate status and PHOS
152.754	Current Issues and Practices in Corporate and Institutional Governance	30	P Graduate status and PHOS
152.755	Project in Corporate and Institutional Governance	30	P Graduate status and PHOS
152.757	Critical Management Studies	30	P Graduate status and PHOS
152.761	Advanced International Business	30	P Graduate status

152.762	The International Business Environment	30	P Graduate status
152.764	Topics in International Business	30	P Graduate status
152.766	International Entrepreneurship	30	P Graduate status and PHOS
152.768	Managing Knowledge	30	P Graduate status and PHOS

Part Two (at least 60 credits)

152.896	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS
152.800	Thesis	120	P Graduate status and PHOS
152.801	Thesis	90	P 152.781 and PHOS
152.802	Thesis 90 Credit Part 1	45	P 152.781 and PHOS
152.803	Thesis 90 Credit Part 2	45	P 152.781 and PHOS; C152.802
152.804	Thesis 120 Credit Part 1	60	P Graduate status and P HOS
152.805	Thesis 120 Credit Part 2	60	P Graduate status and P HOS; C 152.804
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

Marketing

Compulsory paper (30 credits):

156.776	Research Methods in Marketing	30	P Graduate status and at least 45 credits of 156.333 or 156.703 or any 200-level statistics or maths papers or 156.744 or PHOS; R 152.781, 156.721, 156.722, 161.772, 161.773
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Or an approved alternative research methods paper (30 credits).

Subject papers (90 credits):

156.700	Essentials of Marketing	30	P Graduate status and PHOS; R 156.701, 156.741, 156.771
156.741	Advanced Marketing Management	30	P Graduate status and PHOS; R 156.701, 156.704, 156.771, 156.772
156.742	Advanced Consumer Behaviour	30	P Graduate status and P or C 156.700 or Permission Head of School; R 156.702, 156.771
156.743	Advanced Marketing Planning and Strategy	30	P Graduate status and P or C 156.700 or PHOS; R 156.704, 156.772
156.744	Advanced Marketing Research and Analysis	30	P Graduate status and P or C 156.700 or PHOS; R 156.703
156.755	Advanced Electronic and Mobile Marketing	30	P Graduate status and 156.700 or PHOS; R 156.717
156.758	Advanced Social Marketing	30	P Graduate status and PHOS; R 156.718
156.775	Theory and Models of Marketing	30	P Graduate status and at least 45 credits of 156.3xx or 60 credits of 156.7xx or PHOS; R 156.711 and 156.712

Part Two (at least 60 credits)

156.893	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS
156.897	Thesis 120 Credit Part 1	60	Graduate status and PHOS
156.898	Thesis 120 Credit Part 2	60	Graduate status and PHOS; C 156.897
156.899	Thesis	120	P Graduate status and PHOS
115.894	Research Report Part 1	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report Part 2	30	P an approved postgraduate research methods paper as specified in the schedule to the MBS

The Degree of Master of Clinical Psychology

MClinPsych

Approval will be granted for courses which are in accordance with the following regulations. For general provisions affecting their course of study, students are referred to the General Regulations governing Matriculation, Enrolment and Examinations.

Qualification Regulations

Eligibility

1. Before enrolling for the Degree of Master of Clinical Psychology candidates shall:
 - (a) have qualified for admission with a Masters degree with First Class or Second Class Division I Honours in Psychology with at least 90 credits of research, or the equivalent; or a PhD in Psychology;
 - (b) have applied for admission to Clinical Psychology training on the appropriate form and undergone a personal interview before a selection panel who will also consider prior professional experience (if any), a personal statement of intent and career goals, and letters of recommendation from relevant professionals familiar with the candidate's academic and practical work;
 - (c) based on (b) above have satisfied the Academic Board that they have demonstrated that they have sufficient personal qualities, ethical standards, and professional potential and have satisfied the selection panel as to their suitability to undertake a professional course of study which satisfies the eligibility requirements to practice as a Registered Psychologist in accordance with the Health Practitioners Competency Assurance Act of 2003, or as amended;
 - (d) have completed the following papers, or their equivalents, obtaining at least a B+ average within the previous three years:
 - 175.781 Clinical Psychopathology; 175.782 Clinical Psychology Assessment and 175.783 Clinical Psychology Interventions.

Conditions of Studentship

2. The Academic Board shall determine the minimum period of enrolment and conditions of studentship for each candidate. Normally for full-time students the minimum period of enrolment will be two years (24 months) and the maximum will be three years (36 months). Under exceptional circumstances a programme of four years (48 months) may be approved,

subject to approval of the Director of Clinical Training and the Head of School.

Programme of Study

3. Candidates shall follow a course of study comprising 240 credits, undertaken in accordance with the specifications in the schedule below. The degree is awarded on the basis of meeting specified performance standards in the academic papers, the clinical practicum papers, the internship, and research case studies.

Schedule for the Degree

Part One (120 credits)

175.811	Clinical Assessment Skills	30
175.812	Clinical Intervention Skills	30
175.813	Clinical Psychology Practica	60

Part Two (120 credits)

175.814	Clinical Psychology Internship	120
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Progression

4. Students must pass all of the Part One papers to progress from Part One to Part Two. A student who fails any component of Part One is allowed to repeat the component once only. A student who fails Part Two is allowed to repeat the clinical psychology internship once only.

The MClinPsych is not designed to allow transition between the DClinPsych. In exceptional circumstances, a DClinPsych student already holding a Masters or PhD in Psychology may apply to change their enrolment to an MClinPsych. A student who entered the DClinPsych programme with an Hons degree would not be permitted to enrol in a MClinPsych until they have completed a research qualification. An MClinPsych student wishing to change enrolment to a DClinPsych must meet the requirements for the DClinPsych and may be delayed in the progression through the qualification due to timetabling and class size limitations.

Honours/Distinction

5. The degree will be awarded without Honours or Distinction.

The Degree of Master of Communication

MC

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Communication requires that the candidate:
 - (a) meet the University admission requirements as specified; and
 - (b) shall have been awarded or qualified for the Bachelor of Communication or a close equivalent qualification, or by permission of Head of School; and
 - (c) have achieved at least a B grade average in the 300-level majoring papers of the intended primary subject area; and
 - (d) have achieved at least 15 credits at 300 level with a B grade average in the intended secondary subject area.
2. Admission to the Degree of Master of Communication by thesis (120 credits) requires that the candidate:
 - (a) meet the University admission requirements as specified; and

- (b) shall have been awarded or qualified for the Bachelor of Communication with Honours or close equivalent qualification, with a B grade average, and with primary subject area in the intended subject of Masterate study; or
- (c) shall have been awarded or qualified for the Postgraduate Diploma in Communication or close equivalent qualification, with a B grade average, and with an endorsement in the intended subject of Masterate study.

Qualification Requirements

3. Candidates for the Degree of Master of Communication shall follow a parts-based course of study, which shall consist of papers totalling at least 240 credits, which shall include:
 - (a) Part One: At least 120 credits at 700-level;
 - (b) Part Two A 120 credit thesis from the primary subject area;

And including:

 - (c) at least 30 approved credits from 139.703 Critical and Creative Research, 154.704 Media Research Methods, 156.776 Research Methods in Marketing, 219.790 Research Methods in Communication;
 - (d) 60 credits at 700-level in a primary subject area selected from the Schedule to the Degree;

(e) 30 credits at 700-level in a secondary subject area selected from the Schedule to the Degree.

4. Notwithstanding the requirements of Regulation 3, Candidates admitted to the Degree of Master of Communication by thesis only are required to complete Part Two only.

Specialisations

5. Students whose primary subject area is Communication Management, Journalism Studies, Marketing Communication or Public Relations must select Expressive Arts, Linguistics, or Media Studies as their secondary area of study.
6. Students whose primary subject area is Expressive Arts, Linguistics, or Media Studies must select Communication Management, Journalism Studies, Marketing Communication or Public Relations as their secondary area of study.
7. The Degree of Master of Communication will be awarded with a subject in the primary area of study.

Student Progression

8. The Master of Communication may be awarded with or without Honours.
9. For progression to Part Two of the qualification, candidates must have:
 - (a) completed the requirements for Part One within four calendar years of first commencing study toward the qualification, adjusted for any approved periods of suspension or extension;
 - (b) maintained an appropriate grade average in Part One of the qualification.

Completion Requirements

10. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
11. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Communication should they meet the requirements.

Unsatisfactory Academic Progress

12. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

13. Communication Management papers completed under the 2013 Master of Communication regulations may be substituted for Communication Management papers in the current Qualification Schedule.

Schedule for the Qualification

Communication Management

219.702	Management Communication	30	
219.703	Advanced Business Communication	30	
219.704	Advanced Cross-Cultural Communication	30	
219.799	Research Report	30	
219.850	Thesis	120	P Graduate status and PHOS
219.851	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
219.852	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 219.851

Expressive Arts

139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	P 139.329 or PHOS
139.763	Community Theatre	30	R 139.753
139.799	Research Report	30	
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
139.850	Thesis	120	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Expressive Arts in their 700-level qualification

139.851	Thesis 120 Credit Part 1	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Expressive Arts in their 700-level qualification
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139.852	Thesis 120 Credit Part 2	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Expressive Arts in their 700-level qualification; C 139.851
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Journalism Studies

219.705	Advanced News Media Processes	30	
219.708	Political Communication	30	
219.709	Advanced Journalism Issues	30	
219.799	Research Report	30	
219.850	Thesis	120	P Graduate status and PHOS
219.851	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
219.852	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 219.851

Linguistics

172.712	Multimodal Discourse Analysis	30	
172.713	Language and Communication in Late Modernity	30	
172.799	Research Report	30	
172.850	Thesis	120	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Linguistics in their 700-level qualification
172.851	Thesis 120 Credit Part 1	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Linguistics in their 700-level qualification
172.852	Thesis 120 Credit Part 2	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Linguistics in their 700-level qualification; C 172.851

Marketing Communication

156.755	Advanced Electronic and Mobile Marketing	30	P Graduate status and 156.700 or PHOS; R 156.717
156.758	Advanced Social Marketing	30	P Graduate status and PHOS; R 156.718
156.775	Theory and Models of Marketing	30	P Graduate status and at least 45 credits of 156.3xx or 60 credits of 156.7xx or PHOS; R 156.711, 156.712
156.799	Research Report	30	P Graduate status and PHOS
156.850	Thesis	120	P Graduate status and PHOS
156.851	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
156.852	Thesis 120 Credit Part 2	60	P Graduate Status and PHOS; C 156.851

Media Studies

154.701	Modern and Postmodern Visual Culture	30	
154.702	Advanced Film Studies	30	
154.707	The World of Noir	30	
154.708	Modern Fiction, Popular Culture and the Media	30	
154.709	Technology and Cultural Change	30	
154.719	Media, Entertainment, and Ethics	30	
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS

154.798	Research Report	30	
154.850	Thesis	120	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Media Studies in their 700-level qualification
154.851	Thesis 120 Credit Part 1	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Media Studies in their 700-level qualification

154.852	Thesis 120 Credit Part 2	60	P Students must have met the admission requirements specified in the regulations for the Master of Communication by thesis, including a specialisation in Media Studies in their 700-level qualification; C 154.851
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Public Relations

219.706	Advanced Public Relations	30	
219.710	Persuasive Communication Practice	30	
219.799	Research Report	30	
219.850	Thesis	120	P Graduate status and PHOS
219.851	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
219.852	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 219.851

**The Degree of Master of Construction
MConstr**

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Construction requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the Bachelor of Construction and the Postgraduate Diploma in Construction, or equivalent qualifications; or
 - have been awarded the Bachelor of Construction or equivalent plus a minimum of 2 years approved experience in the Construction Sector in a professional capacity.
- In addition to the requirements of Regulation 1, admission to the Degree of Master of Construction by thesis (90 or 120 credits) requires that the candidate will have achieved a Grade Average of B over the qualifying 700-level papers or equivalent.

Qualification Requirements

- Candidates for the Degree of Master of Construction shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - papers selected from the Schedule for the Qualification;
 - at least 45 credits from Schedule C.
 And including:
 - attending workshops, block courses, tutorials, or laboratories as required.

Specialisations

- The Degree of Master of Construction may be awarded with or without a subject.
- Candidates may complete a subject by passing at least 60 credits in a subject; the requirements for each subject are set out in Schedule A for the Qualification.
- Subjects available are: Building Technology, Construction Law, Construction Project Management, Facilities Management, Quantity Surveying.

Student Progression

- In cases of sufficient merit, the Degree of Master of Construction may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Construction should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Subject Papers

Building Technology (60 credits)

228.769	Energy-Efficient Building Design	15	P Graduate status and Permission HOS PD or 228.741 or 228.743; R 142.769
218.730	Construction Project Management	15	P Graduate status
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743

15 credits from:

218.760	Indoor Air Quality	15	P Graduate status and PPD
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761

Construction Law (60 credits)

218.763	Construction Law I	15	P Graduate status and PPD
218.764	Construction Law II	15	P Graduate status and PPD
218.765	Construction Adjudication	15	P Graduate status and PPD
218.730	Construction Project Management	15	P Graduate status and PPD

Construction Project Management (60 credits)

218.710	Advanced Construction Planning and Scheduling	15	P Graduate status and PPD
218.720	Advanced Construction Site Operations and Control	15	P Graduate status and PPD
218.730	Construction Project Management	15	P Graduate status and PPD
218.763	Construction Law I	15	P Graduate status and PPD

Facilities Management (75 credits)

114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
218.730	Construction Project Management	15	P Graduate status and PPD
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743

Quantity Surveying (60 credits)

218.730	Construction Project Management	15	P Graduate status and PPD
218.780	Construction Commercial Management I	15	P Graduate status and PPD
218.781	Construction Commercial Management II	15	P Graduate status and PPD
218.764	Construction Law II	15	P Graduate status and PPD

Schedule B: Elective Papers

114.710	Organisational Learning	30	
130.705	Emergency Management	30	
132.731	Planning Law	30	
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742

228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757
228.759	Applied Energy Management	15	P Graduate status and PPD; R 142.759
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
287.730	Quality Management	30	P Graduate status and PPD; R 143.719

Schedule C: Research Papers

216.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
216.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 216.897
216.899	Thesis	120	P Graduate status and PPD
218.828	Thesis 90 Credit Part 1	45	P Graduate status and PPD
218.829	Thesis 90 Credit Part 2	45	P Graduate status and PPD; C 218.828
218.830	Thesis	90	P Graduate status and PPD
218.820	Dissertation	60	
218.810	Research Report	45	

The Degree of Master of Construction Management MConMgt

No new enrolments from 2014

Course Regulations**Part I**

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II**Course Requirements**

- Candidates shall follow an approved course of study to a minimum value of 240 credits.
- The subject in which a candidate will enrol for the degree of Master of Construction Management will be specified at the time that the course of study is approved, and will form part of the name of the degree received by the candidate at graduation.
- Candidates for the Degree shall undertake a course of study normally comprising papers to a value of 120 credits from those listed in the Schedule for these regulations, including a research methods paper, plus a thesis (or other agreed research work) to the value of 120 credits.
 - Progression from papers to thesis will not normally be approved unless the candidate has achieved a satisfactory standard across all papers attempted.
- Candidates who have been awarded the Postgraduate Diploma in Construction Management may be candidates for the degree of Master of Construction Management in the same subject and may complete the degree with a 120-credit thesis provided a research methods paper has been completed.

114.702	Human Resource Management and Workplace Relations	30	
114.710	Organisational Learning	30	
114.723	Performance Management	30	
114.731	Advanced Occupational Safety and Health	30	
119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and PPD
127.700	Property Studies	30	
130.705	Emergency Management	30	
132.731	Planning Law	30	
152.752	Project Management	30	
218.760	Indoor Air Quality	15	P Graduate status and PPD; R 138.760
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747

228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748	228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.759
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750	287.730	Quality Management	30	P Graduate status and PPD; R 143.719
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756	216.798	Research Report	30	P Graduate status and PPD
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757	216.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
228.759	Applied Energy Management	15	P Graduate status and PPD; R 142.759	216.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 216.897
				216.899	Thesis	120	P Graduate status and PPD

The Degree of Master of Counselling Studies

MCounsStuds

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Counselling Studies requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for either:
 - the Postgraduate Diploma in Education (Counselling and Guidance); or
 - the Postgraduate Diploma in Rehabilitation (Rehabilitation Counselling); or
 - an approved equivalent qualification;
 and:
 - have achieved at least a B grade average across all papers in the qualifying course of study; and
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to successfully engage in the course.
- Admission to the qualification will be granted or withheld on consideration of the admission requirements specified under Regulation 1, a police vetting report and a selection process that may include a written application, interview, and practical exercises as may be determined by the College Pro Vice-Chancellor or their delegate.

Qualification Requirements

- Candidates for the Master of Counselling Studies shall follow a fixed course of study, which shall consist of:
 - papers totalling at least 120 credits as specified in the Schedule to the degree.

- attending workshops, tutorials, and laboratories as required;
- completion of supervised practice as specified in the requirements for the Professional Development in Counselling I and Professional Development in Counselling II papers.

Specialisations

- There are no specialisations for this degree.

Academic Requirements

- The degree shall be awarded on the basis of the whole examination which shall include the evaluation of the separate papers and of the research project, with the proviso that all components shall be at least of pass standard.
- A candidate may be permitted to revise an unsatisfactory Research Project and to resubmit it for assessment on one occasion.

Student Progression

- The Master of Counselling Studies is not awarded with honours, distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Master of Counselling Studies Schedule

Compulsory papers (120 credits):

253.761	Professional Development in Counselling I	45	P 209.750 or 253.750, R 209.751 or 253.751
253.762	Professional Development in Counselling II	30	P 253.751 or 253.761, R 209.752, 253.752
253.800	Research Project in Counselling	45	P 180.780, 186.788, 267.780 or 267.788 or an approved research methods paper; R 209.758 or 253.758

The Degree of Master of Creative Writing

MCW

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Creative Writing requires that the candidate will:
 - meet the University admission requirements as specified; and will have:

- (b) been awarded or qualified for the degree of Bachelor of Arts in Creative Writing, Expressive Arts, English or equivalent, with a B grade average across the 200 and 300 level specialisation papers; or
- (c) been awarded or qualified for the degree of Bachelor of Arts with Honours or Postgraduate Diploma in Arts in Creative Writing, Expressive Arts, English or equivalent, with a B grade average for the qualification;
- and will have:
- (d) been selected into the programme on the basis of a portfolio of creative writing of sufficient substance and quality.

Qualification Requirements

2. Candidates of the Degree of Master of Creative Writing shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
- (a) completion of Part One and Part Two as detailed in the Schedule for the Qualification;
- (b) attendance of a compulsory workshop either on-line or in person.
3. Notwithstanding Regulation 2, the course of study for candidates admitted under Regulation 1(c) will be at least 120 credits including Part Two as detailed in the Schedule for the Qualification.

Specialisations

4. The Master of Creative Writing is awarded without a specialisation.

Student Progression

5. In cases of sufficient merit, the Master of Creative Writing may be awarded with distinction or merit.
6. For progression to Part Two of the Master of Creative Writing candidates must have maintained a grade average of at least a B+ over the 60 credits undertaken for Part One.

Completion Requirements

7. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates will apply.
8. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate Arts, should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part One (60 credits)

List A (30 credits):

139.760	Writing Lyric Poetry: Blurring the Boundaries	30
139.761	Writing Contemporary Fiction	30
139.763	Community Theatre	30
154.747	Media Practice and Global Culture	30

List B (30 credits)

139.703	Critical and Creative Research	30
139.707	Women, Desire and Narrative	30
139.710	Rhetoric, Composition and the Teaching of Writing	30
139.724	Literary Revolutions: 18th Century and Romantic Literature	30
139.725	The Post-Romantic Subject	30
139.728	Early Modern Metadrama: Vices and Devices	30
139.750	Contemporary New Zealand Writers in an International Context	30
139.752	Aotearoa New Zealand Drama and Performance	30
139.757	Twentieth-Century New Zealand Fiction: Texts and Theories	30
139.758	Postcolonial Writing	30
139.775	Trauma, Memory, Haunting	30
139.799	Research Report (30)	30
154.708	Modern Fiction, Popular Culture and the Media	30

Part Two (120 Credits)

139.860	Thesis	120
139.861	Thesis 120 Credit Part 1	60
139.862	Thesis 120 Credit Part 2	60
		C 139.861

The Degree of Master of Dairy Science and Technology MDairyScTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. Every candidate for the Master of Dairy Science and Technology shall have either a Bachelor of Engineering, Bachelor of Science with Honours, a Bachelor of Technology degree or equivalent. They shall

also have approved employment in the New Zealand dairy industry to facilitate the requirements of papers 141.747 Dairy Products Research Projects and 141.748 Dairy Science and Technology Research Project.

2. The Master of Dairy Science and Technology shall comprise 120 credits comprising the four papers listed in the schedule. The course shall normally be:

141.745	Dairy Science, Technology and Engineering	30
141.746	Dairy Products Technology	30
141.747	Dairy Products Research Projects	30
141.748	Dairy Science and Technology Research Project	30

The Degree of Master of Defence Studies

MDefStuds

No new enrolments will be accepted into the Master of Defence Studies from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations I University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling, a candidate shall have been awarded or qualified for the Bachelor of Defence Studies or an equivalent qualification.

Course Requirements

- The choice of papers, thesis topic or other work must normally be approved by the appropriate Director of Centre or Programme Coordinator unless otherwise specified.
- Except as provided in Regulations 4 and 5 below:
 - Candidates shall follow a course of study totalling 240 credits normally comprising papers to a value of between 120 to 150 credits from those listed plus a thesis to a value of 90 or 120 credits.
 - Candidates shall normally complete all papers prior to enrolment in the thesis and candidates will not be permitted to enrol in the thesis until they have passed papers to the value at least 90 credits.
 - Progression from papers to thesis will not normally be approved unless the candidate has achieved a satisfactory standard across all papers attempted.
 - Candidates should normally have attended the methods workshop prior to commencing the thesis but must have done so before a substantial part of the thesis is completed.
 - When the thesis is forwarded to the examiner, the Director of Centre shall supply a certificate from the supervisor stating that the thesis embodies work carried out by the candidate under direct supervision and stating also the part the supervisor played in the preparation of the thesis.
- Candidates who have completed the Postgraduate Diploma in Arts (Defence and Strategic Studies) may, upon surrender of that qualification, transfer up to 120 credits to the Master of Defence Studies. To be eligible for the award of the degree with honours, the course of study for candidates who have surrendered the Postgraduate Diploma in Arts (Defence and Strategic Studies) shall not exceed one year for full-time students or three years for part-time students.
 - Candidates who have enrolled for the Postgraduate Diploma in Arts (Defence and Strategic Studies) and who have not been awarded that qualification may, upon achievement of a satisfactory academic standard, transfer to the Master of Defence Studies degree and be exempt from such requirements as the Academic Board may determine. For such candidates, the Qualification Regulations for the degree of Master of Defence Studies shall be deemed to apply as from the date of their enrolling for the Postgraduate Diploma in Arts (Defence and Strategic Studies).

Schedule to the Degree of Master of Defence Studies

Course of Study

- Candidates shall follow an approved course of study comprising a thesis of either 90 or 120 credits and papers to the value of 120 to

150 credits from the following list. At least 90 credits must come from papers with the 149 subject prefix.

134.703	Ethics of War and Peace	30	P Graduate status
149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	
149.709	Terrorism, Insurgency and Transnational Crime	30	Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.798	Research Report (30)	30	PDC
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761

Notes

- In addition, with the approval of the Director of Centre, it is possible to take a 30 credit masters paper from other programmes within the university or from other New Zealand universities covered by normal transfer of credit regulations.
- Not all papers may be available in any given year.

- The 90 credit thesis includes a research methods workshop and:

149.891	Thesis 90 Credit Part 1	45
and		
149.892	Thesis 90 Credit Part 2	45

- The 120 credits thesis includes the research methods workshop and either:

149.896	Thesis	120
Or		
149.894	Thesis 120 Credit Part 1	60
and		
149.895	Thesis 120 Credit Part 2	60

Note

The research methods work will be delivered in block mode.

- Candidates enrolled in 149.891, 149.894 or 149.896 will be expected to attend the research methods workshop or to complete an approved research methods paper. Those students who elect to complete a research methods paper will not be required to attend the research methods workshop. The research methods workshop will be delivered in block mode. It will be of three days duration and will introduce students to the techniques of qualitative and quantitative research investigation.
- When enrolled in the thesis, research candidates will normally be required to attend the Centre's Research Seminar and deliver a short presentation on their research.

Transition

- Students who commenced the MPhil (DSS) prior to 2008 can complete under MPhil regulations until the end of 2012. Such students also have the option of transfer to the MDefStuds at any time during the term of their enrolment providing they will meet the course requirements of the MDefStuds.
- Students who have had the MPhil (DSS) awarded may not surrender that qualification towards the MDefStuds.

The Degree of Master of Design

MDes

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Design requires that the candidate will:
 - meet the University admission requirements as specified, and will:
 - have been awarded or qualified for Bachelor of Design (Honours) or the Bachelor of Fine Arts Honours with a grade average of B in Part 4 papers, or equivalent; or
 - have been awarded or qualified for Postgraduate Diploma in Design with a grade average of B, or equivalent; or
 - have been granted admission under the Admission with Equivalent Status regulations and demonstrate practical, professional and scholarly experience at an appropriate level
 and will have:
 - been selected into the programme on the basis of an interview and assessment of a portfolio of design work prepared by the candidate.

Qualification Requirements

- Candidates for the Degree of Master of Design shall follow a fixed course of study, which shall consist of thesis papers totalling 120 credits as specified in the schedule to the qualification.

Specialisations

- This qualification is awarded without specialisation.

Student Progression

- In cases of sufficient merit, the Degree of Master of Design may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Thesis Papers (at least 120 credits)

197.800	Design Thesis	120
OR		
197.802	Design Thesis 120 Credit Part 1	60
AND		
197.803	Design Thesis 120 Credit Part 2	60

The Degree of Master of Education

MEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Education requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the Bachelor of Education or an equivalent qualification;
 or
 - have qualified for any other degree of a New Zealand university, and hold a professional qualification in teaching.
- Notwithstanding Regulation 1, admission to the MEd (Tertiary Education) requires that the candidate will have:
 - qualified for any degree of a New Zealand university; and
 - completed at least one year of experience in an appropriate adult education/tertiary teaching setting as approved by the College PVC or nominee.
- Admission directly to Part Two of the Master of Education requires that the candidate will have completed a Postgraduate Diploma in Education, or equivalent, with a grade average across all papers of at least B, and at least B+ for admission to Part Two thesis papers.

Qualification Requirements

- Candidates for the Master of Education shall follow a flexible course of study, which shall consist of papers totalling at least 240 credits, comprising:

Part One (120 credits)

 - Two compulsory research methods papers (30 credits) as specified in Section A of the schedule to the degree;
 and
 - 90 credits from Section B (Subject Papers) and/or Section C (Elective Papers) of the degree schedule.

Part Two (120 credits)

Either

 - 120 credits from the thesis papers listed in Section B of the schedule to the degree;
 or
 - 60 credits from Section B (Subject Papers) and/or Section C (Elective Papers) of the degree Schedule; and
 - one 60 credit Professional Inquiry paper as listed in Section B of the degree Schedule.

Specialisations

- The qualification may be awarded with or without a subject specialisation.
- Candidates choosing to study the Master of Education without specialisation must complete 30 credits of compulsory Research Methods papers (267.782 and 267.783), and either 60 credits of Professional Inquiry (267.860) or 120 credits of Thesis Education (267.899 or 267.871 and 267.872). The balance of credits is selected from papers in the Specialisation Schedules (Section B) and/or the Elective Schedule (Section C).

- Candidates may complete a subject by passing at least 240 credits in a subject, including any compulsory subject papers. The requirements for each subject are set out in Section B of the Schedule for the Qualification.
- Subjects available are: Tertiary Education, Early Years, E-Learning, Special Education, and Teaching and Learning.

Student Progression

- For progression to Part Two of the Master of Education candidates must have completed Part One of the qualification, maintaining at least a B grade average across the completed papers.
- For progression to Part Two thesis papers candidates must have maintained at least a B+ grade average across the completed Part One papers.
- In cases of sufficient merit, and providing the qualification is completed within the required time frames as specified in the general regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates, the Master of Education (Part I and Part II – 240 credits) may be awarded with Honours. Those candidates completing Part II only (120 credits) will not be eligible for Honours, but may be eligible for Distinction or Merit instead, as specified in the general regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Education should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Master of Education on or after 1 January 2014 must satisfy the requirements as specified in these regulations.
- Candidates who have completed 90 credits or less towards the Master of Education (240 credits) prior to 1 January, 2014, must satisfy the requirements as specified in these regulations. Candidates who have completed more than 90 credits may choose to complete under the 2013 regulations, or may transfer to the 2014 regulations providing they can satisfy all requirements as specified.
- Candidates who have commenced study towards the Master of Education (120 credits) prior to 1 January 2014 may complete under the 2013 regulations, or, may choose to transfer to the 2014 regulations providing they can satisfy all requirements as specified.

In all cases candidates must complete the requirements within the timeframes for completion as specified in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Schedule for the Qualification

Section A: Without Specialisation

Without Specialisation – Part One (120 credits)

Compulsory papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

and 90 credits of papers selected from Subject Papers for Specialisations (Section C) and/or from Elective Papers (Section C).

Without Specialisation – Part Two (120 credits)

120 credits from:

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
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267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871; R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and 60 credits of papers selected from Subject Papers for Specialisations (Section B) and/or from Elective Papers (Section C).

Section B: Specialisations

Early Years – Part One (120 credits)

Compulsory papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

Early Years Part One Subject Papers (90 credits):

265.736	Quality in Early Years Education	30	R 186.736
265.737	Young Children and Their Families	30	R 186.737
265.740	Advanced Studies on Learning in the Early Years	30	R 186.740
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
265.738	Children's Play and Learning in a Goal-Directed Teaching Practice	30	

Early Years – Part Two (120 credits)

120 credits from:

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871, R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and Early Years Part Two Subject Papers (60 credits):

257.769	Teaching Content to English Language Learners	30	R 207.769
258.720	Foundations of Literacy Education	30	R 186.720
261.765	Trends in E-Learning	30	R 186.765
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749
265.736	Quality in Early Years Education	30	R 186.736
265.737	Young Children and Their Families	30	R 186.737
265.740	Advanced Studies on Learning in the Early Years	30	R 186.740
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
265.738	Children's Play and Learning in a Goal-Directed Teaching Practice	30	
276.782	Mathematics Education	30	R 211.782

E-Learning – Part One (120 credits)

Compulsory papers (120 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
261.766	Teaching for E-Learning	30	R 186.766
261.760	Instructional Design for E-Learning	30	R 186.760, 186.757
261.764	Foundations of E-Learning	30	R 186.764, 187.712

E- Learning – Part Two (120 credits)

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871, R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and E-Learning Part Two Subject Paper (30 credits)

261.765	Trends in E-Learning	30	R 186.765
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and 30 credits from Section B or C of the Schedule.

Special Education – Part One (120 credits)

Compulsory papers (90 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
249.741	Assessment and Planning for Learners with Diverse Needs	30	R 186.741
249.742	Teaching Methods for Learners with Diverse Needs	30	R 186.742

and Special Education Subject Paper (30 credits).

Special Education – Part Two (120 credits)

120 credits from:

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871, R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and Special Education Subject Papers (60 credits).

Special Education Subject Papers

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
256.756	Applied Behaviour Analysis for Educators	30	R 186.756
258.720	Foundations of Literacy Education	30	R 186.720
258.721	Teaching Students with Literacy Learning Difficulties	30	R 186.721
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749

Teaching and Learning – Part One (120 credits)

Compulsory papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

and Teaching and Learning Subject Papers (90 credits).

Teaching and Learning – Part Two (120 credits)

120 credits from:

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871, R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and Teaching and Learning Subject Papers (60 credits).

Subject papers:

254.702	Facing Big Questions in Education	30	R 180.702
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 180.706, 187.742, 211.735
263.701	Enhancing Teacher Learning and Mentoring	30	R 180.701
263.704	Advanced Studies in Motivation and Learning	30	R 186.731
263.705	Assessment for Learning and Teaching	30	R 180.705
263.706	Adolescent Learning and Engagement	30	

Tertiary Education – Part One (120 credits)

Compulsory papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

and Tertiary Education Subject Papers (90 credits).

Tertiary Education – Part Two (120 credits)

120 credits from:

267.899	Thesis	120	P 267.782 and 267.783; R 267.871, 267.872
267.871	Thesis 120 Credit Part 1	60	R 267.899
267.872	Thesis 120 Credit Part 2	60	C 267.871, R 267.899

OR

267.860	Professional Inquiry	60	P 267.782 and 267.783
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and Tertiary Education Subject Papers (60 credits).

Subject papers:

273.721	Knowledge and Power in Tertiary Education	30	R 187.721
273.722	Adult Learning: Myths and Realities	30	R 187.722
273.723	Cultures and Learning: Diversity in Tertiary Education	30	R 187.723
273.724	The Expert Teacher of Adults: Principles and Practice	30	R 187.724
273.725	Leadership and Communication in Tertiary Education	30	R 187.725
273.784	Learning and Teaching in Tertiary Education	30	R 186.784, 187.784
273.785	Planning for Tertiary Learning and Teaching	30	R 187.782, 187.785

Section C: Elective papers for the Master of Education

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
253.753	Guidance in Education	30	R 209.753
253.754	Family and Couples Counselling	30	R 209.754
253.755	Culture and Counselling	30	R 209.755
254.701	Ethics in Education	30	R 187.701
254.704	Education and Historical Analysis	30	R 187.704
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	R 187.744
254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
257.766	Leading TESOL in Diverse Contexts	30	R 207.766

257.767	Current Issues and Innovations in TESOL Leadership	30	P/C 257.766, 259.772 or PHOS; R 207.767
258.723	Teaching Writing in the Classroom	30	
259.776	Gender Issues and Educational Leadership	30	R 187.776
267.790	Indigenous Research Methodologies	30	R 182.793
269.711	Policy and Development in Māori Education	30	R 182.711
269.732	Cultural Differences and Education	30	R 182.732

269.733	Mana Motuhake: Contemporary Issues in Māori and Indigenous Education	30	
269.734	Mana Whānau: Whānau Engagement in Education	30	
269.735	Mana Kura: Leadership in Māori Education	30	
269.736	Mana Mātauranga: Indigeneity, Innovation and Information	30	
276.784	Current Issues in Teaching Mathematics	30	R 211.784
276.785	Making Mathematics Accessible	30	R 254.785

The Degree of Master of Educational Administration and Leadership MEdAdminLead

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling for the degree of Master of Educational Administration and Leadership candidates shall:
 - for entry to the 120 credit Master of Educational Administration and Leadership coursework pathway, have at least a B average in a Postgraduate Diploma in Educational Administration and Leadership or equivalent; or
 - for entry to the 120 credit Master of Educational Administration and Leadership research pathway, have at least a B+ average in a Postgraduate Diploma in Educational Administration and Leadership or equivalent; or
 - for entry to the 240 credit Masters, have qualified for the degree of Bachelor of Education or equivalent; with at least a B+ average; or
 - have qualified for any other degree of a New Zealand university with at least a B+ average and hold a professional qualification in teaching; and
 - have been granted admission to postgraduate study as entitled to proceed to the degree of Master of Educational Administration and Leadership; and
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.

Course of Study

- A candidate has three options with the Master of Educational Administration and Leadership:
 - A 120-credit Coursework Pathway Masters (papers to a value of 120 credits); or
 - A 120-credit Research Pathway (30 credits of research methods [or approved alternative if completed an equivalent paper in the PGDipEdAdminLead] and a thesis to the value of 90 credits); or
 - A 240-credit Masters (comprising coursework papers to a value of 120 credits, and 30 credits of research methods and a thesis to the value of 90 credits).
- Candidates enrolled in the 120 credit coursework pathway are required to complete papers listed in
 - up to two papers (60 credits) from list (i).
 - Candidates who completed these papers in the PGDipEdAdminLead, may select at least 90 credits from list (ii) below, and up to 30 credits from list (a) (iii) below.
- Candidates enrolled in the 120 credit research pathway are required to complete papers listed in (b) research pathway in addition to a paper (30 credits) from list (ii).

- Candidates enrolled in the 240 credit masters are required to complete papers listed in (i), two papers (60 credits) from list (ii) and the relevant thesis option in list (b).

(a) Coursework pathway (120 credits):

(i) Compulsory papers:

259.771	Educational Leadership in Action	30	R 187.771
259.772	Theory and Process in Educational Leadership	30	R 187.772

(ii) At least 30 credits from the following list:

254.701	Ethics in Education	30	R 187.701
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 180.706, 187.742, 211.735
254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
257.767	Current Issues and Innovations in TESOL Leadership	30	P/C 257.766, 259.772 or PHOS; R 207.767
259.776	Gender Issues and Educational Leadership	30	R 187.776
259.777	Leadership and Learning in Diverse Contexts	30	R 187.777
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
269.711	Policy and Development in Māori Education	30	R 182.711
273.725	Leadership and Communication in Tertiary Education	30	R 187.725

(iii) Up to 30 credits from the following list:

253.753	Guidance in Education	30	R 209.753
254.704	Education and Historical Analysis	30	R 187.704
261.764	Foundations of E-Learning	30	R 186.764, 187.712
269.732	Cultural Differences and Education	30	R 182.732

or other papers listed for the Master of Education.

(b) Research pathway (120 credits)

Both

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

And either

267.880	Thesis	90	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 267.720, 267.723, 267.780, 267.788 or approved equivalent; All of 186.722, 186.744, 186.754, 186.756 or all of 249.744, 256.754, 267.781, 258.722 for MEdPsych
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or

267.881	Thesis 90 Credit Part 1	45	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 186.723, 187.720, 267.720, 267.723, 267.780, 267.788, or approved equivalent; All of 186.722, 186.744, 186.754 and 186.756 or all of 249.744, 258.722, 256.754, and 267.781 for MEdPsych.
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and

267.882	Thesis 90 Credit Part 2	45	C 267.881; R 267.880, 180.899; Note 3
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Notes

- Entry to the thesis options is dependent on at least a B+ average performance being attained.

- Students will normally enrol in the thesis Parts 1 and 2 in consecutive years. They may not enrol into 267.881 and 267.882 concurrently.
- Progression to Part II is dependent on satisfactory progression in Part I as confirmed by the Supervisor.
- Students enrolling in Postgraduate Diploma in Educational Administration and Leadership or the Master of Educational Administration and Leadership are advised to take 259.771 if possible, before enrolling in 259.772
- An alternative approved paper may be taken where the candidate has completed and equivalent research methods paper in the Postgraduate Diploma in Educational Administration or Postgraduate Diploma in Educational Administration.
- (a) The degree and honours therein shall be awarded on the basis of the whole examination with the proviso that each paper and the thesis shall be at least of pass standard.
(b) At the discretion of the chief examiner, a failed thesis may be revised and re-submitted once and may be subject to re-examination. Following successful re-examination the candidate will not be eligible for honours or distinction.

The Degree of Master of Educational Psychology

MEdPsych

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling candidates shall:
 - have qualified for an approved undergraduate degree in Education, Educational Psychology, Psychology or Teaching with a minimum B average; and
 - have been granted admission to postgraduate study as entitled to proceed to the degree of Master of Educational Psychology; and
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course; and
- Candidates for the degree of Master of Educational Psychology shall normally be enrolled in the Postgraduate Diploma in Education (Educational Psychology) in the first instance.
 - Transfer into the Master of Educational Psychology will be based on academic performance in the Postgraduate Diploma in Education (Educational Psychology). A minimum performance of B+ average or equivalent is required.
 - Candidates intending to apply for selection and admission into the Postgraduate Diploma in Educational Psychology (the internship) are required to have successfully completed 45 credits in approved undergraduate psychology papers with a minimum B average.

Notes

- Successful completion of the Master of Educational Psychology will not give automatic entry into the Postgraduate Diploma in Educational Psychology.
- Admission to the Postgraduate Diploma in Education Psychology is by selection.

Course of Study

- A candidate shall follow for not less than two calendar years a course of study of 240 credits comprising papers to the value of 150 credits and a research thesis to the value of 90 credits (267.880 or 267.881 and 267.882) in accordance with the Schedule below.
 - Five compulsory papers (150 credits):

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
256.754	Assessment in Educational Psychology	30	R 186.747, 186.754
256.755	Professional Practice in Educational Psychology	30	R 186.748, 186.755
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
267.781	Research Methods in Professional Practice	30	R 186.713 or 271.713

(b) And 90 credits from:

267.880	Thesis	90	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 267.720, 267.723, 267.780, 267.788 or approved equivalent; All of 186.722, 186.744, 186.754, 186.756 or all of 249.744, 256.754, 267.781, 258.722 for MEdPsych
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or

267.881	Thesis 90 Credit Part 1	45	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 186.723, 187.720, 267.720, 267.723, 267.780, 267.788, or approved equivalent; All of 186.722, 186.744, 186.754 and 186.756 or all of 249.744, 258.722, 256.754, and 267.781 for MEdPsych.
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and

267.882	Thesis 90 Credit Part 2	45	C 267.881; R 267.880, 180.899; Note 3
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Notes

- Entry to the thesis options is dependent on at least a B+ average performance being attained.
- Students will normally enrol in the thesis 1 and 2 in consecutive semesters/years. They may not enrol into 267.881 and 267.882 concurrently.
- Those students intending on proceeding to the Postgraduate Diploma in Educational Psychology (Internship) are required by the Psychologists Registration Board to have completed three full year or equivalent 200- or 300-level undergraduate psychology papers

e.g. organisational/social psychology, abnormal/clinical psychology, neuropsychology, developmental psychology prior to enrolling in the PGDipEdPsych programme.

- Subject to the approval of the College Pro Vice-Chancellor or nominee, a student may select approved papers up to the value of 60 credits from those papers listed in the other Masterate Schedules. This option is not available for students who have been granted an exemption for some prescribed papers as outlined in the following Concession 4 and 5.

Concessions

- Candidates who have completed the Massey University degree of Postgraduate Diploma in Education (Educational Psychology) or equivalent and who are eligible for admission to the Master of Educational Psychology degree shall follow an official course of study for not less than one year, consisting of at least 120 credits. For such a candidate the Qualification Regulations for the Master of Educational Psychology shall be deemed to apply from the date of enrolment for the postgraduate diploma. Such candidates who surrender the scroll awarded on completion of the qualifying course of study will be eligible for the award of honours in cases of sufficient merit.

- Candidates who have been awarded a Resource Teacher: Learning and Behaviour (RTLb), Resource Teacher: Literacy (RTLit) postgraduate diploma or an approved equivalent qualification from another institution and who are eligible for entry to the Master of Educational Psychology degree shall follow an approved course of study of at least 120 credits, which together with the qualifying course of study shall form a coherent programme of 240 credits, provided that a specified minimum standard of performance has been met (i.e. 'B' average). Candidates will not be eligible for Honours but the degree may be awarded with distinction in cases of sufficient merit.

Transition Arrangements

- Students who complete a Massey University PGDipEd (Special Education) prior to 2014 may gain entry to the MEdPsych programme under the 2008 eligibility regulations and complete the following papers: 267.780 Research in Education, 256.754 Assessment in Educational Psychology, 256.755 Professional Practice in Educational Psychology and 180.791 Research Report. Students who have already completed an approved research paper as part of the PGDipEd (SpEd) may choose one additional paper from the 2008 MEdPsych Schedule (b) as a replacement for 267.780. These transition arrangements remain in force until 2014. All new students enrolling after 2010 will need to complete the PGDipEd (EdPsych) prior to applying for admission to the MEdPsych programme.

The Degree of Master of Emergency Management MEmergMgt

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the Master of Emergency Management (120 credits) is open to students who:
 - Have relevant industry experience of an appropriate kind and duration; and
 - Have completed the Postgraduate Diploma in Emergency Management or equivalent, at an appropriate level of academic achievement.

Course Requirements

- Candidates for the Master of Emergency Management shall follow an approved course of study and successfully complete 120 credits, following either the Coursework Pathway (Option A) or the Research Pathway (Option B).

Coursework Pathway (Option A)

Compulsory Papers

90 credits from:

130.799	Research Report in Emergency Management	30
130.801	Advanced Leadership in Emergency Management	60

Qualification Papers

30 credits from the following list to make qualification total of 120 credits:

114.731	Advanced Occupational Safety and Health	30	P Graduate status
114.773	Hazard Management	30	P Graduate status

130.701	Natural Hazards	30	
130.702	Coping with Disasters	30	P Graduate status
131.701	Development and Underdevelopment	30	
131.702	Development Management	30	
132.735	Natural Resource Planning	30	
132.751	Natural Hazards and Resilient Communities	30	
152.702	Advanced Strategic Management	30	P Graduate status
152.707	Leading and Changing Organisations	30	P Graduate status; R 152.709, 152.705
230.703	Techniques and Methods in Evaluation Research	30	

Notes

- Subject to approval by the Head of School, or nominee, students may substitute up to 30 credits from relevant papers at the 700-level for one of the above Qualification papers.
- Students who have completed the GradDipEmergMgt prior to 2012 should seek advice from the Head of School, or nominee, regarding the appropriate selection of papers.

Research Pathway (Option B)

130.816	Thesis 120 Credit Part 1	60	
and			
130.817	Thesis 120 Credit Part 2	60	C 130.816
or			
130.899	Thesis	120	

Distinction/Merit

- Candidates may be awarded the degree with Distinction if their work is judged by the examiners to be of superior standard, and with Merit if their work is judged by the examiners to be of high standard. Superior standard indicates a GPA of 7 or above, and high standard a GPA of 6 or above. To be eligible for Distinction or Merit a candidate shall complete the requirements within one year of first enrolling if full-time or within three years if part-time.

The Degree of Master of Engineering

ME

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. The Master of Engineering degree shall consist of a minimum of 120 credits, comprising papers and/or research.
2. (a) The Master of Engineering degree must include either 60 or 120 credits of research.
(b) Papers for the degree will normally be those approved from the Schedule that follows for the degree of Master of Engineering. Up to 30 credits may be approved from the 158.7xx series.

Subjects and Endorsements

3. The subject in which a candidate will enrol for the degree of Master of Engineering will be specified at the time that the course of study is approved, and will normally follow the name of a major in the Bachelor of Engineering (Honours) degree and will form part of the name of the degree received by the candidate at graduation.

Schedule to the Degree of Master of Engineering

119.728	Research Practice	15	P Graduate status and PPD
141.803	Research Report: Food	60	
141.806	Thesis 120 Credit Part 1	60	P Graduate status and PPD
141.807	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 141.806
141.805	Thesis	120	P Graduate status and PPD
228.895	Research Report	60	P Graduate status and PPD
228.896	Research Report – Industrial Automation	60	P Graduate status and PPD; R 140.808
228.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
228.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 228.897
228.899	Thesis	120	P Graduate status and PPD

Notes

1. Other postgraduate papers from Schedules within the College of Sciences may be taken, subject to the approval of the Programme Director (Engineering and Technology).
2. The selection of papers must be recommended for approval by the Postgraduate Subject Leader to the Programme Director (Engineering and Technology).
3. There may be a limitation on the type of research approved for Research Projects or Theses, depending upon the resources available.

The Degree of Master of Engineering Studies

MEngSt

Part I

These regulations are to read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

1. Admission to the programme will be on the basis of successful completion of one of the following:
 - (a) a relevant 4-year Bachelor's degree with Honours;
 - (b) a relevant 3-year Bachelor's degree plus an Honours Degree;
 - (c) a relevant Postgraduate Diploma.

Course of Study

2. The Master of Engineering Studies degree shall consist of a minimum of 120 credits, comprising:
 - (a) 45 credits of research (228.893);
 - (b) Research Methods (228.797) 15 credits.
 - (c) 60 credits from the Schedule to the Degree of Master of Engineering Studies.

Up to 30 credits from the 158.7xx and 159.7xx series may be substituted with approval from the Programme Director.

Progression

3. To qualify for the degree of Master of Engineering Studies, candidates must obtain a passing grade in all papers. For progression to the second semester of study a minimum grade of B is required in the Research Methods paper (228.797) and a grade average of at least B- over the first semester papers. In the event of this not being achieved, candidates will be allowed to complete a Postgraduate Diploma in Engineering, or may choose to take out a Postgraduate Certificate in Science.

Endorsements

4. The Degree of Master of Engineering Studies may be awarded with or without endorsement. The available endorsements and their requirements are listed in the Schedule to the Masters of Engineering Studies.

Schedule to the Degree of Master of Engineering Studies

General

228.797	Research Methods in Engineering	15	R 228.340
228.893	Research Project in Engineering	45	P 228.797 (Min B Grade)

Electronics and Computer Systems Engineering

281.759	Communication Network Planning and Performance	15	R 143.459, 281.459
281.765	Management of Information Systems and Reliability	15	R 143.465, 281.465
281.766	Advanced Telecommunications	15	R 143.466, 281.466
281.773	Applied Digital Image and Speech Processing	15	R 143.473, 281.473
281.774	Advanced Computer Systems Engineering	15	R 143.474, 281.474
281.729	Applied Multimedia Signal Processing	15	R 140.429, 281.429
281.748	Wireless Communications Systems	15	R 143.448, 281.448
281.757	Advanced Micro Technologies	15	R 143.457, 281.457

Electronics and Computer Systems Engineering Endorsement

45 credits from the above list of papers.

Energy Management

228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
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228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.766	Integrated Energy Resource Planning	15	P 228.740 or 228.741
228.767	Greenhouse Gas Mitigation Analysis	15	P 228.748
228.769	Energy Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757
218.744	Energy Efficient Lighting and Exterior Lighting Design	15	P Graduate status or PPD, 218.741, 218.742, 218.743; R 140.744

Energy Management Endorsement

45 credits from the above list of papers.

Life Cycle Management

238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700

Life Cycle Management Endorsement

45 credits from the above list of papers.

Mechatronics

282.758	Simulation, Modelling and Optimisation	15	R 143.458, 282.458
282.761	Modern Multivariable Control	15	R 143.461, 282.461
282.762	Robotics and Automation	15	P (281.384, 282.372) or Graduate status; R 143.462, 282.462

282.767	Control Systems Design	15	R 143.467, 282.467
282.778	Mechatronics	15	P (281.384, 282.372) or Graduate status; R 143.478, 282.478

Mechatronics Endorsement

45 credits from the above list of papers.

Packaging Technology

228.732	Packaging Materials	30	
228.733	Packaging Technology II	15	
228.734	Packaging Design Technology	15	
228.735	Packaging Technology III	15	
228.736	Fast-Moving Consumer Goods Packaging	15	

Packaging Technology Endorsement

45 credits from the above list of papers including 228.732.

Renewable Energy Systems

228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.767	Greenhouse Gas Mitigation Analysis	15	P 228.748

Renewable Energy Systems Endorsement

45 credits from the above list of papers.

The Degree of Master of Environmental Management MEnvMgmt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Environmental Management requires that the candidate will:
 - (a) meet the University admission requirements as specified; and shall have been awarded or qualified for:
 - (b) a BSc (Environmental Science) or an equivalent qualification, having achieved a B grade average or higher, over the qualifying 300-level papers; or
 - (c) a Postgraduate Diploma in Environmental Management with a grade average of B or higher (Applied pathway) or B + average or higher (Research pathway), or equivalent; or

- (d) a Bachelor of Environmental Management (Honours), or an equivalent qualification.

Qualification Requirements

2. Candidates for the Degree of Master of Environmental Management shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - (a) completion of Part One and Part Two as defined by the Schedule of the Degree;
 - (b) papers selected from the Schedule to the Degree.

And including:

 - (c) any Compulsory Papers listed in the Schedule to the Degree;
 - (d) at least 30 credits from each of two Options listed in the Schedule to the Degree if admitted to the Thesis Pathway for Part Two;
 - (e) at least 30 credits from each of three Options listed in the Schedule to the Degree if admitted to the Applied Pathway for Part Two;
 - (f) attending field trips, studios, workshops, tutorials, and laboratories as required.

3. Notwithstanding Regulation 2, the course of study for a candidate admitted under Regulation 1(c) or 1(d) will be papers totalling at least 120 credits, comprising:
- completion of Part Two as defined by the Schedule of the Degree;
 - papers selected from the Schedule to the Degree.
- And including:
- any Compulsory Papers listed in the Schedule to the Degree;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
4. Notwithstanding Regulation 3, and at the discretion of Academic Board, a candidate admitted to the Master of Environmental Management Research pathway under Regulation 1(c) may be permitted to complete a course comprising the 120 credit thesis paper 188.889 or 188.897 and 188.898.
5. Notwithstanding Regulations 2, 3 and 4, and at the discretion of Academic Board, Candidates may be required to complete one or more bridging papers, 188.707 and/or 188.708, should their entry qualification be deficient in environmental economics or applied science.

Specialisations

6. The Degree of Master of Environmental Management is awarded without specialisations.

Student Progression

7. For progression from Part One to Part Two (Thesis Pathway), candidates must have achieved a Grade Average of B+ over the first 90 credits undertaken for Part One.
8. For Progression from Part One to Part Two (Applied Pathway), candidates must have achieved a Grade Average of B over the first 120 credits undertaken for Part One.
9. In cases of sufficient merit, candidates completing the Thesis pathway may be awarded a class of Honours.
10. In cases of sufficient merit, candidates completing the Applied pathway may be awarded Distinction or Merit.

Completion Requirements

11. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
12. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Environmental Management should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

13. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

14. All candidates commencing study towards the Master of Environmental Management on or after 1 January 2014 must satisfy the requirements as specified in these regulations.
15. Candidates who commenced study towards the Master of Environmental Management or Postgraduate Diploma in Environmental Science prior to 2014, and who have successfully completed 30 credits toward the Masterate, may complete under the regulations as specified in the 2013 University Calendar.
16. These transition regulations expire in 2015, and candidates who have not completed by the end of 2015 must satisfy the requirements as specified in these regulations.

Schedule for the Qualification

Part One

Qualification Papers

Compulsory papers (30 credits):

188.763	Advanced Environmental Management	30	P PPD; Graduate status
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Elective papers:

188.707	Introduction to Advanced Environmental Management I	15	P Graduate status and PPD
188.708	Introduction to Advanced Environmental Management II	15	P Graduate status and PPD
188.785	Special Topic	15	P Graduate status and PPD
188.786	Special Topic	30	P Graduate status and PPD

Option A: Water

145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status, plus one from 145.303, 145.304, 145.327 or equivalent
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
196.712	Aquatic Ecology	30	P Graduate status and PPD

Option B: Land

119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
188.752	Land Reclamation	15	P Graduate status and PPD
189.753	Soil and Land Evaluation	30	P 189.364 or PPD, Graduate status
189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
196.713	Ecology	30	P Graduate status and PPD
196.726	Plant Ecology	30	P Graduate status and PPD
233.701	Advanced Pedology	30	P 189.364 or PPD
233.756	Environmental Geology	30	P Graduate status and PPD
283.704	Urban and Farm Forestry	15	P 283.101 or 283.321 or 283.311 or 284.322 or equivalent; R 284.721, 284.702

Option C: Techniques and Tools

132.738	GIS Principles and Applications	30	P Graduate status
132.740	Geographic Information Systems Programming and Practice	30	P 132.738; C 132.738
152.752	Project Management	30	P Graduate status and Permission HOS
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
189.761	Applied Remote Sensing	30	P Graduate status and PPD
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
233.706	Environmental Geographical Information Systems	30	P Graduate status and PPD
233.707	Environmental Remote Sensing	30	P 233.301 or PPD, Graduate status
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
238.751	Agricultural Greenhouse Gas Emission Science	15	P Graduate status and PPD

Option D: Policy and Environmental Economics

131.704	Sustainable Development	30	P Graduate status
132.735	Natural Resource Planning	30	P Graduate status
145.707	Economic Geography	30	P Graduate status
152.704	Business and Sustainability	30	P Graduate status; R 115.783
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and Permission HOS
188.705	Natural Resource Policy	15	P PPD; Graduate status
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.766	Integrated Energy Resource Planning	15	P 142.740 or 142.741 or 228.740 or 228.741; R 142.766

235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
235.707	Maori Natural Resource Policy	30	P Graduate status and PPD

Option E: Environment and Society

132.751	Natural Hazards and Resilient Communities	30	P Graduate status
176.718	Environmental Sociology	30	P Graduate status
188.751	Advanced Zero Waste for Sustainability	30	P Graduate status and PPD; R 188.251
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD

Part Two

Research Pathway (at least 90 credits)

188.888	Thesis	90	
188.885	Thesis 90 Credit Part 1	45	P 188.763 or equivalent learning plus permission PD
188.886	Thesis 90 Credit Part 2	45	P 188.763 or equivalent learning plus permission PD; C 188.885
188.889	Thesis	120	P Graduate status and PPD
188.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
188.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 188.897

Applied Pathway (60 credits)

188.863	Environmental Research and Data Analysis	60	188.763 or equivalent learning plus permission PD
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The Degree of Master of Ergonomics

MErg

No new enrolments from 2011

The Degree of Master of Finance

MFin

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Finance requires that the candidate will:
 - meet the University admission requirements as specified;
 - have been awarded or qualified for a relevant Bachelor's degree or equivalent qualification, having achieved a grade average of at least a B- in the highest level papers.

Qualification Requirements

- Candidates for the Master of Finance shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising:
 - completion of Part One and Part Two as defined by the Schedule to the Degree;
 - papers selected from the schedule to the degree; and including:
 - any Compulsory Papers listed in the Schedule to the Degree.
- Notwithstanding Regulation 2, the course of study for a candidate who has been awarded the Degree of Bachelor of Business Studies with Honours, or the equivalent degree of another recognised university, shall consist of papers totalling at least 120 credits from the Master of Finance qualification schedule including Part Two as defined by the schedule to the degree.

Specialisations

- The Degree of Master of Finance is awarded without specialisation.

Student Progression

- For progression from Part One to Part Two, candidates must have achieved a Grade Average of B- over 60 credits of the Part One papers, including the compulsory papers.
- In cases of sufficient merit, a Master of Finance completed in accordance with Regulation 2 may be awarded with a class of honours.
- In cases of sufficient merit, a Master of Finance completed in accordance with Regulation 3 may be awarded with merit or distinction.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Business and Administration or the Postgraduate Certificate in Business should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Master of Finance on or after 1 January 2014 must satisfy the requirements specified in these regulations.
- Candidates who commenced study towards the Master of Finance prior to 01 January 2014 may choose to transfer to these regulations, but must satisfy all requirements as specified.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Degree of Master of Finance

Part One

Compulsory paper (30 credits):

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent
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Elective papers:

125.732	Advanced Corporate Finance	30	P Graduate status and PHOS
125.740	Advanced Investment Analysis	30	P Graduate status and PHOS
125.781	Advanced Financial Risk Management	30	P Graduate status and PHOS

Part Two

At least 60 credits from:

125.850	Research Report Part 1	30	P An approved postgraduate research methods paper as specified in the schedule to the MBS and MFin	125.892	Research Report	60	P An approved postgraduate research methods paper as specified in the schedule to the MBS and MFin
125.851	Research Report Part 2	30	P An approved postgraduate research methods paper as specified in the schedule to the MBS and MFin	125.897	Thesis 120 Credit Part 1	60	P Graduate status and PHOS
				125.898	Thesis 120 Credit Part 2	60	P Graduate status and PHOS; C 125.897
				125.899	Thesis	120	P Graduate status and PHOS; R 25.899

The Degree of Master of Fine Arts

MFA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

- Admission to the Degree of Master of Fine Arts requires that the candidate will:
 - have been awarded or qualified for the Bachelor of Fine Arts (Honours) or Bachelor of Design (Honours) or equivalent with a grade average of B; or
 - have been awarded or qualified for the Postgraduate Diploma in Fine Arts or the Postgraduate Diploma in Design or equivalent with a grade average of B; or
 - have been granted admission under the Admission with Equivalent Status regulations and demonstrate practical, professional, and scholarly experience at an appropriate level; and
 - be selected into the programme through an interview and the assessment of a portfolio of art or design work prepared by the applicant.
- All students whose first language is not English, who have not gained a New Zealand university entrance qualification or an overseas entrance qualification in a country where the main language is English, will be required to provide evidence of their proficiency in English in the form of an academic IELTS (International English Language Testing System) score of 7.0 with no band less than 7.0 or other evidence that is acceptable to Academic Board.

Qualification Requirements

- Candidates for the Master of Fine Arts shall follow a parts-based course of study, which shall consist of papers totalling at least 240 approved credits, and include completion of Part One and Part Two.

The requirements for Part One and Part Two are prescribed in the Schedule to the Degree.

Specialisations

- The Master of Fine Arts may be awarded with a subject in either Fine Arts or Design. The subject will be specified following the successful completion of 197.807.

- The Master of Fine Arts may be awarded without a subject.

Student Progression

- Progression to Part Two will be conditional upon achievement of a B Grade Average over Part One. In special circumstances this may be varied with the approval of the Academic Board.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Diplomas, and Certificates will apply.
- Candidates may be graduated when they meet the Qualification requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an appropriate exit qualification, should they meet its qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- The course of study for candidates who were admitted into the MFA prior to 2013 will be in accordance with the 2012 regulations as per the 2012 University Calendar.

Schedule for the Qualification

Part One

197.805	Postgraduate Studio	75	C 197.806, 197.807
197.806	Postgraduate Seminar	30	C 197.805, 197.807
197.807	Thesis Project Preparation	15	C 197.805, 197.806

Part Two

197.810	Thesis	120	P 197.805, 197.806, 197.807
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OR

197.811	Thesis 120 Credit Part 1	60	P 197.805, 197.806, 197.807
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AND

197.812	Thesis 120 Credit Part 2	60	P 197.805, 197.806, 197.807; C 197.811
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The Degree of Master of Food Innovation

MFoodInn

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Food Innovation requires that the candidate will:
 - meet the University admission requirements as specified; and
 - be sponsored by an organisation in the food or biological products industry in a relationship akin to employment, cadetship, or other, whereby access to data, operations, and decision-making processes,

are made available, along with provision of supervision and mentorship.

And

- (c) have been awarded or qualified for the Bachelor of Engineering with Honours, Bachelor of Food Technology with Honours, Bachelor of Science (Honours), or an equivalent qualification(s); or
 - (d) have been awarded a three year Bachelor's degree in engineering, science, technology, or similar, supplemented by 5 years professional experience in the food or biological products industry.
2. Notwithstanding the requirements of Regulation 1(b), candidates may be admitted to the Degree without a sponsor, should an alternative placement structure be approved by Academic Board.

Qualification Requirements

3. Candidates for the Degree of Master of Food Innovation shall follow a parts-based course of study, which shall consist of papers totalling at least 120 credits, comprising:

- (a) Part One comprising 75 credits at 700-level;
- (b) Part Two comprising 45 credits at 800-level;

And including:

- (c) the compulsory papers listed in the Schedule for the Qualification;
- (d) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

4. The Degree of Master of Food Innovation is awarded without specialisation.

Academic Requirements

5. In accordance with Regulations 1(b) and 2, Candidates must hold their position with their sponsoring organisation throughout the duration of the programme.

Student Progression

6. For progression to Part Two, candidates must have maintained a B grade average over the Part One requirements.

7. In cases of sufficient merit, the Degree of Master of Food Innovation may be awarded with distinction or merit.

Completion Requirements

8. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
9. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

10. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part One

Compulsory papers:

141.721	Tools for Food Product Development	15	P Graduate status and Permission of PD
141.724	Food Quality, Safety and Innovation	15	P Graduate status and Permission of PD
141.725	Food Business Innovation	15	P Graduate status and Permission of PD
287.703	Product Development Management	30	P Graduate status and Permission of PD; R 183.703

Part Two

Compulsory papers:

141.810	Food Innovation Research Project	45	P Graduate status and Permission of PD
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The Degree of Master of Food Technology MFoodTech

Part 1

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part 2

Course Requirements

1. The Master of Food Technology shall consist of a minimum of 120 credits, comprising papers and/or research.
2. (a) The Master of Food Technology must include either 60 or 120 credits of research.
(b) Papers for the degree will normally be those approved from the Schedule that follows for the Degree of Master of Food Technology.

Schedules to the Degree of Master of Food Technology

119.728	Research Practice	15	P Graduate status and PPD
141.803	Research Report: Food	60	P Graduate status and PPD

141.806	Thesis 120 Credit Part 1	60	P Graduate status and PPD
141.807	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 141.806
141.805	Thesis	120	P Graduate status and PPD
141.721	Tools for Food Product Development	15	P Graduate status and PPD Note 4
141.722	Food Preservation and Storage	15	P 141.721; C 115.711, 141.803 R Graduate status and PPD Note 4

Notes

1. Other postgraduate papers from Schedules within the College of Sciences may be taken, subject to the approval of the Programme Director (Engineering and Technology).
2. The selection of papers must be recommended for approval by the Graduate Subject Advisor to the Programme Director (Engineering and Technology).
3. There may be a limitation on the type of research approved for Research Projects or Theses, depending on the resources available.
4. Approval is subject to Graduate Status, permission of Programme Director and relevant experience.

The Degree of Master of Health Science MHlthSc

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Candidates for the Degree of Master of Health Science shall before enrolment have:

- (a) qualified for the award of the degree of Bachelor of Health Science and passed at the 300-level such papers as are indicated in the prerequisite provisions in the prescriptions for the subject or subjects they offer at a standard that, in the opinion of the Academic Board, is sufficient to enable them to take an appropriate programme of study for the degree; or
- (b) qualified for admission to the degree of Bachelor of Health Science with Honours; or
- (c) qualified for the award of the Postgraduate Diploma of Health Science with a satisfactory standard across all papers; or
- (d) been granted admission with equivalent status as entitled to proceed in the subject or subjects offered.

Course Requirements

2. Candidates shall follow an approved course of study to a minimum value of 240 credits and satisfy all course requirements in one of the subject areas listed and detailed in the Schedule for these Regulations.
3. The Academic Board may approve a course of study involving papers from more than one of the subjects listed in the Schedule, provided that at least half of the total points for the papers are chosen from the same subject as the thesis.
4.
 - (a) Candidates for the Master of Health Science shall undertake a course of study normally comprising papers to a value of 120 credits (in one of the subjects listed in the Schedule) plus a thesis to the value of 120 credits.
 - (b) Candidates shall normally pass all papers prior to enrolment in the thesis and candidates will not be permitted to enrol in the thesis until they have passed papers to the value of at least 60 credits.
 - (c) Progression from papers to thesis will not normally be approved unless the candidate has achieved a satisfactory standard across all papers attempted.
 - (d) When the thesis is forwarded to the examiners, the relevant Chief Examiner shall supply a certificate from the supervisor stating that the thesis embodies work carried out by the candidate under direct supervision and stating also the part the supervisor played in the preparation of the thesis.
5.
 - (a) Candidates who have been awarded the degree of Bachelor of Health Science with Honours or have been awarded the Postgraduate Diploma in Health Science may be candidates for the degree of

MHlthSc in the same subject and may complete the degree with a 120 credit thesis.

- (b) Candidates shall not be eligible for the award of Honours but may be awarded the degree with Distinction if their work is judged by the examiners to be of superior merit and they complete the requirement for the award of the degree within one calendar year of first enrolling for full-time study or within three consecutive years of first enrolling for part-time study in the subject area for the degree. Superior merit is defined as equivalent in quality to First Class Honours.

Note: Graduates of the Bachelor of Health Science without a major who wish to be candidates for the degree of Master of Health Science must first seek approval of the Director of Health Science Programmes.

Subjects

Environmental Health

Papers to the value of 120 credits from the BHLthSc(Hons) schedule for Environmental Health, including a research methods paper (168.810 or an approved alternative), plus a thesis (214.899 or 214.897 and 214.898) to the value of 120 credits.

Māori Health

Papers to the value of 120 credits from the BHLthSc(Hons) schedule for Māori Health, including a research methods paper (150.714 or 168.810 or an approved alternative), plus a thesis (150.899 or 150.816 and 150.817) to the value of 120 credits.

Psychology

Papers to the value of 120 credits from the BHLthSc(Hons) schedule for Psychology, including a research methods paper (175.738 or an approved alternative), plus a thesis (175.899 or 175.894 and 175.896) to the value of 120 credits.

Rehabilitation

Papers to the value of 120 credits from the BHLthSc(Hons) schedule for Rehabilitation, including paper 147.701 and a research methods paper (168.810 or an approved alternative), plus a thesis (147.899 or 147.816 and 147.817) to the value of 120 credits.

Sport and Exercise

Papers to the value of 120 credits from the BHLthSc(Hons) schedule for Sport and Exercise, including a research methods paper (168.810 or an approved alternative), plus a thesis (234.899 or 234.897 and 234.898) to the value of 120 credits.

The Degree of Master of Information Sciences MInfSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Information Sciences requires that the candidate will:
 - (a) meet the University admission requirements as specified; and will either
 - (b) have been awarded or qualified for the Bachelor of Information Sciences or an equivalent qualification, having achieved a B grade average or higher over the qualifying 300-level majoring papers; or
 - (c) have been awarded or qualified for the Bachelor of Information Sciences with Honours or the Postgraduate Diploma in Information Sciences, or the equivalent qualifications, having achieved a B grade average or higher over the qualifying 700-level papers.

Qualification Requirements

2. Candidates for the Degree of Master of Information Sciences shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - (a) 120 credits at 700-level and at least 60 credits at 800-level; and including:
 - (b) completion of Part One as per the Schedule for the Qualification;
 - (c) completion of a Professional Project totalling 60 credits from Part Two of the Schedule to the Qualification;
 - (d) any compulsory papers listed in the Schedule for the Qualification;
 - (e) attending workshops, block courses, tutorials or laboratories as required.

3. Notwithstanding Regulation 2, the course of study for a candidate admitted under regulation 1(c) shall consist of thesis papers totalling at least 120 credits from Part Two of the Schedule for the Qualification.

Specialisations

4. The Degree of Master of Information Sciences may be awarded with or without a subject.
5. Candidates may complete a subject by passing at least 180 credits in a subject. The requirements for each subject are set out in the Schedule for the Qualification.
6. Approved Subjects are: Computer Science, Information Technology.
7. Approved Joint Subjects are: Software Engineering.

Student Progression

8. In cases of sufficient merit, the Degree of Master of Information Sciences may be awarded with distinction or merit.
9. For progression to Part Two, candidates must have maintained a B grade average in the Part One papers.

Completion Requirements

10. The timeframes for completion as outlined in the General Regulations for General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
11. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Information Sciences should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

12. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

13. All candidates commencing study towards the Degree of Master of Information Sciences on or after 1 January 2015 must satisfy the requirements specified in these regulations
14. All candidates who commenced study towards the Degree of Master of Information Sciences prior to 1 January 2015, and who have passed at least 60 credits towards the qualification, may complete under the regulations in the 2013 Massey University Calendar, or transfer to these regulations.
15. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Computer Science

Part One (120 credits)

159.702	Knowledge Engineering	15	P Graduate status and PPD
159.703	Advanced Computer Systems	15	P Graduate status and PPD
159.704	Systems Programming	15	P Graduate status and PPD
159.707	Advanced Software Design and Construction	15	P Graduate status and PPD
159.709	Computer Graphics	15	P Graduate status and PPD
159.710	User Interface Design	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.733	Studies in the Practice of Computing	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD
159.740	Studies in Intelligent Systems	15	P Graduate status and PPD
159.741	Intelligent Robotics	15	P Graduate status and PPD

Part Two papers

159.888	Computer Science Professional Project	60	P Graduate status and PPD
159.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
159.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
159.899	Thesis	120	P Graduate status and PPD

Information Technology

Part One (120 credits)

158.729	Socio-technical System Design and Evaluation	15	P Graduate status and PPD
158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.750	Information Sciences Research Methods	15	P Graduate status and PPD; R157.750
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757
158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.759	Emerging Issues in E-Health	15	P Graduate status and PPD
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762

Part Two papers

158.888	Information Technology Professional Project	60	P Graduate status and PPD
158.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
158.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
158.899	Thesis	120	P Graduate status and PPD

Software Engineering

Part One (120 credits)

Computer Science Component – At least 60 credits from:

159.709	Computer Graphics	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD

Information Technology Component – At least 60 credits from:

158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757
158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762

Part Two papers

159.888	Computer Science Professional Project	60	P Graduate status and PPD
158.888	Information Technology Professional Project	60	P Graduate status and PPD
159.897	Thesis (Year 1)	60	P Graduate status and PPD
159.898	Thesis (Year 2)	60	P Graduate status and PPD
159.899	Thesis	120	P Graduate status and PPD

The Degree of Master of International Development

MIntDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of International Development requires that the candidate will:
 - meet the University admission requirements as specified; and shall have:
 - been awarded or qualified for a Bachelor of Arts with a major in Development Studies, with a B grade average or above across the 200- and 300-level specialisation papers; or
 - have been awarded or qualified for any Bachelor's degree, with a B grade average or above across the relevant 200- and 300-level papers, and have relevant field or industry experience of an appropriate kind and duration; or
 - been awarded or qualified for a Postgraduate Diploma in International Development, or equivalent, with a B grade average or above.

Qualification Requirements

- Candidates for the Master of International Development shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising:
 - completion of Part One and Part Two as detailed in the Schedule for the Qualification; and including
 - any compulsory papers.
- Notwithstanding Regulation 2, the course of study for candidates admitted under Regulation 1 (d) will be 120 credits including:
 - Part Two as detailed in the schedule for the qualification;
 - papers from Part One of the schedule to the qualification.

Specialisations

- The Master of International Development is awarded without a specialisation.

Student Progression

- For progression to Part Two in the Master of International Development (Coursework pathway) candidates must have achieved a B grade average across the first 120 credits of papers completed in Part One.
- For progression to Part Two in the Master of International Development (Research Pathway), candidates must have achieved a B+ grade average across the first 120 credits of papers completed in Part One.

- In cases of sufficient merit, the Master of International Development may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in International Development or the Postgraduate Diploma in International Development should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transition Regulations

- All candidates who commenced study towards the Master of International Development on or after 1 January 2015 must satisfy the requirements as specified in these regulations.

Schedule for the Qualification

Part One (120 credits)

Compulsory papers (60 credits):

131.701	Development and Underdevelopment	30	P Graduate status
131.702	Development Management	30	P Graduate status

Subject papers (60 credits):

131.703	Gender and Development	30	P Graduate status
131.707	Development Research Design	30	R 131.705
131.704	Sustainable Development	30	P Graduate status
131.706	Globalisation and Development	30	P Graduate status
131.708	Development Practicum	30	P 131.701 or 131.702; or PHOS

Part Two

Coursework pathway (60 credits):

131.897	Research Report International Development (60)	60	
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Research pathway (120 credits):

131.899	Thesis	120	
131.816	Thesis 120 Credit Part 1	60	
131.817	Thesis 120 Credit Part 2	60	C 131.816

The Degree of Master of International Security

MIntISy

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling in the course for the degree of Master of International Security candidates shall:
 - have completed a relevant Bachelor's degree plus the equivalent of a minimum of two years of full-time relevant professional experience; or
 - be able to demonstrate scholarly work in conjunction with extensive relevant professional experience and standing in leadership, managerial and planning positions in government or non-government security agencies appropriate for Admission with Equivalent Status.

- have completed a relevant Bachelor's degree plus the equivalent of a minimum of two years of full-time relevant professional experience; or
- be able to demonstrate scholarly work in conjunction with extensive relevant professional experience and standing in leadership, managerial and planning positions in government or non-government security agencies appropriate for Admission with Equivalent Status.

Course Requirements

- Candidates will be required to pass an approved course of study (180 credits) that includes:
 - 149.720 International Security; and
 - at least 60 credits from Part A; and

- (c) 60 credits from Part B; and
 - (d) up to 30 credits from Part C (should a candidate not wish to complete credits from Part C then 90 credits from Part A will be required).
3. Students who have completed a Postgraduate Diploma in International Security or other relevant postgraduate qualification may be exempted from up to 120 credits conditional upon meeting all other eligibility requirements. A candidate who wishes to credit papers totalling more than 30 credits will be required to surrender their qualification before the transfer of credits will be granted.

Compulsory paper:

149.720	International Security	30	P Graduate status or equivalent
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Part A

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.715	The Brunei Strategic Environment	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.740	Security and Crime	30	P Graduate status or equivalent
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.745	Crime Science	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.790	Research Methods in Defence and Security Studies	30	
149.795	The Cyber Security Environment	30	P Graduate status or equivalent

Part B

149.820	Applied Security Research Project	60	P 149.720
149.821	Applied Security Planning Exercise	60	P 149.720

Part C

130.702	Coping with Disasters	30	P Graduate status
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130.705	Emergency Management	30	P Graduate status
134.703	Ethics of War and Peace	30	P Graduate status
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
230.702	Professional Evaluation Practice	30	P Graduate status; R 179.752
240.757	Logistics in Humanitarian Aid Projects	15	P Graduate status and PPD
240.791	Special Topic	15	P Graduate status and PAD

Endorsements

4. An endorsement in Intelligence is available. As part of the requirements outlined above, candidates seeking the endorsement in Intelligence must complete at least 60 credits from 149.740, 149.741, or 149.744.

Progression and Exit

5. Progression from the first 120 credits of the Master of International Security to the remaining credits for the qualification will be approved for students who have (i) passed the first 120 credits of study towards the degree within three calendar years of first commencing study towards the qualification, adjusted for any period of suspension or extension that has been approved; and (ii) demonstrated appropriate academic achievement, defined by GPA level, in the first 120 credits of study.
6. Students who have been enrolled in the Master of International Security who do not meet the progression criteria specified in (a), or who wish to exit after successful completion of 120 credits of study, will be awarded the PGDip International Security provided that the 120 credits of study (i) meet the requirements for that qualification and (ii) have been completed within three years of first commencing study towards the Master of International Security adjusted for any period of suspension or extension that has been approved.

Time Limits

7. All requirements must be completed within five calendar years of first enrolling for the qualification, adjusted for any periods of suspension or extension that may be approved. Candidates granted exemptions under regulation 3 may have the time limit for degree completion reduced proportionally.

Distinction/Merit

8. Candidates may be awarded the degree with Distinction if their work is judged by the examiners to be of superior standard, and with Merit if their work is judged by the examiners to be of high standard. Superior standard indicates a GPA of 7 or above, and high standard a GPA of 6 or above. To be eligible for Distinction or Merit a candidate shall complete the requirements within two years of first enrolling if full-time or within four years if part-time.
9. Candidates granted exemptions under regulation 3 may have the time limit for completion with Distinction or Merit reduced proportionally.

The Degree of Master of Journalism

MJ

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

1. Admission to the Master of Journalism (180 credits) requires that candidates shall:
- (a) have been awarded or qualified for a Bachelor's degree or equivalent, with at least a B grade average in the 300-level majoring papers or equivalent, and
 - (b) been selected into the programme on the basis of a written application and, at the University's discretion, an interview.

2. Admission directly to Part Two of the Master of Journalism requires that candidates shall:
- (a) have been awarded or qualified for a Massey University Postgraduate Diploma in Journalism, with a grade point average across all 700-level papers of at least B;
- OR
- (b) have been awarded or qualified for a Massey University Postgraduate Diploma in Communication (Communication Management) with a grade average across all 700-level papers of at least B; and
 - (c) completed at least three years of professional experience as a journalist.
- OR
- (d) have been awarded or qualified for a Massey University Postgraduate Diploma in Business and Administration (Communication) with a grade average across all 700-level papers of at least B; and

- (e) completed at least three years of professional experience as a journalist.
- Where a Postgraduate Diploma that qualifies a candidate, in full or part, for admission to Part Two under Regulation 2 has been awarded, it must be surrendered in accordance with the Recognition of Formal and Informal Prior Learning regulations to enable the credits to be transferred to the Master of Journalism.
 - In all cases candidates must meet the University admission requirements as specified.
 - Candidates whose first language is not English, and who have not gained a New Zealand university entrance qualification, or an overseas entrance qualification in a country where the main language is English, will be required to provide satisfactory evidence of their proficiency in English in the form of an academic IELTS with a minimum score of seven in all bands, or an equivalent TOEFL score, or other such evidence that is acceptable to Academic Board.

Qualification Requirements

- Candidates for the Master of Journalism shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising Part One and Part Two as defined in the schedule to the degree.
- Notwithstanding Regulation 6, candidates admitted under Regulations 2 and 3 may transfer up to 120 credits from the qualifying qualification to satisfy Part One requirements.

Specialisations

- There are no specialisations for this qualification.

Student Progression

- In cases of sufficient merit, the Master of Journalism may be awarded with distinction or merit.
- For progression to Part Two, candidates must have achieved a B grade average in the Part One papers.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Journalism should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Master of Journalism

Part One Papers (120 credits)

219.711	Shorthand	0	P Admission to PGDipJ; C 219.712, 219.713, 219.714, 219.715
219.712	Print News Journalism	30	P Admission to PGDipJ; C 219.711, 219.713, 219.714, 219.715
219.713	Multi-media Journalism	30	P Admission to PGDipJ; C 219.711, 219.712, 219.714, 219.715
219.714	Media Law, Ethics and Workplace Practice	30	P Admission to PGDipJ; C 219.711, 219.712, 219.713, 219.715
219.715	Research Methods in Journalism	30	P Admission to PGDipJ; C 219.711, 219.712, 219.713, 219.714

Part Two Papers (60 credits)

219.889	Journalism Project	60	
219.890	Journalism Project (Part I)	30	
219.891	Journalism Project (Part II)	30	

The Degree of Master of Literacy Education MLitEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Candidates for the Master of Literacy Education (MLitEd) must have:
 - (i) a Bachelor of Education, a Bachelor of Education (Teaching), or an Advanced Diploma of Teaching; or
 - (ii) a degree and a recognised teaching qualification of at least one year's duration; and
- been accepted as a candidate by the College Pro Vice-Chancellor or nominee.
- Before enrolling, a candidate shall:
 - for entry to the 120 credit Master of Literacy Education coursework pathway, have at least a B average in a Postgraduate Diploma of Literacy Education or equivalent; or
 - for entry to the 120 credit Master of Literacy Education research pathway, have at least a B+ average in a Postgraduate Diploma of Literacy Education or equivalent; or
 - for entry to the 240 credit Master of Literacy Education, have qualified for the degree of Bachelor of Education or equivalent; with at least a B+ average; or
 - have qualified for any other degree of a New Zealand university with at least a B+ average and hold a professional qualification in teaching; and

- (e) have been granted admission to postgraduate study as entitled to proceed to the degree of Master of Education.

Course of Study

- Candidates enrolled in the 120 credit coursework pathway are required to complete papers listed in (i), (ii) and (iii) below. Candidates who have completed these papers in the PGDipLitEd, may select up to 120 credits from list (iv) below.
- Candidates enrolled in the 120 credit research pathway are required to complete papers listed in (b) research pathway in addition to a paper from list (iii).
- Candidates enrolled in the 240 credit masters are required to complete papers listed in (i) below (60 credits), one paper (30 credits) from list (ii), both papers (30 credits) from list (iii) and the and the relevant thesis option in list (b).
 - Coursework pathway (120 credits)
 - Two compulsory papers (60 credits):

258.720	Foundations of Literacy Education	30	R 186.720
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
(ii) One of the following papers (30 credits):			
258.721	Teaching Students with Literacy Learning Difficulties	30	R 186.721
258.723	Teaching Writing in the Classroom	30	

(iii) Both of the following papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

(iv) Up to 120 credits from the following list:

249.741	Assessment and Planning for Learners with Diverse Needs	30	R 186.741
249.742	Teaching Methods for Learners with Diverse Needs	30	R 186.742
249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 187.742, 211.735
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	R 187.744
256.756	Applied Behaviour Analysis for Educators	30	R 186.756
257.769	Teaching Content to English Language Learners	30	R 207.769
258.721	Teaching Students with Literacy Learning Difficulties	30	R 186.721
258.723	Teaching Writing in the Classroom	30	
259.771	Educational Leadership in Action	30	R 187.771
261.765	Trends in E-Learning	30	R 186.765
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
265.740	Advanced Studies on Learning in the Early Years	30	R 186.740
267.790	Indigenous Research Methodologies	30	R 182.793
269.711	Policy and Development in Māori Education	30	R 182.711
269.732	Cultural Differences and Education	30	R 182.732

The balance to be taken from papers listed in Schedule (a) of the Master of Education degree.

OR

(b) Research pathway (120 credits)

267.880	Thesis	90	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 267.720, 267.723, 267.780, 267.788 or approved equivalent; All of 186.722, 186.744, 186.754, 186.756 or all of 249.744, 256.754, 267.781, 258.722 for MEdPysch
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or

267.881	Thesis 90 Credit Part 1	45	P Graduate status and one of 180.780, 180.790, 185.788, 186.788, 186.723, 187.720, 267.720, 267.723, 267.780, 267.788, or approved equivalent; All of 186.722, 186.744, 186.754 and 186.756 or all of 249.744, 258.722, 256.754, and 267.781 for MEdPysch.
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and

267.882	Thesis 90 Credit Part 2	45	C 267.881; R 267.880, 180.899;
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Notes

1. Entry to the thesis options is dependent on at least a B+ average performance being attained.
2. Students will normally enrol in the thesis 1 and 2 in consecutive semesters/years. They may not enrol into 267.881 and 267.882 concurrently.
3. (a) The degree and honours therein shall be awarded on the basis of the whole examination with the proviso that each paper and the thesis shall be at least of pass standard.
(b) At the discretion of the chief examiner, a failed thesis may be revised and re-submitted once and may be subject to re-examination. Following successful re-examination the candidate will not be eligible for honours or distinction.

The Degree of Master of Management MMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

1. Admission to the Master of Management requires that the candidate will:
 - (a) meet the University admission requirements as specified;
 - (b) have been awarded or qualified for a relevant Bachelor's degree or equivalent qualification, having achieved a grade average of at least a B- in the highest level papers.

Qualification Requirements

2. Candidates for the Master of Management shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising:
 - (a) Part One and Part Two as defined by the Schedule to the Degree;
 - (b) completion of a subject.

Specialisations

3. Candidates for the Degree of Master of Management may complete a subject by passing at least 180 credits in a subject including:
 - (a) a Professional Practice paper of 60 credits;
 - (b) any compulsory papers identified in the Schedule to the Degree.

The requirements for each subject are set out in the Schedule for the Qualification.

4. Subjects available in the Master of Management are: Accountancy, Agribusiness, Banking and Finance, Communication Management, Enterprise Development, Financial Economics, Health Service Management, Human Resource Management, International Business, Management, and Marketing.

Student Progression

5. For progression from Part One to Part Two, candidates must have achieved a Grade Average of B- over the Part One papers.
6. In cases of sufficient merit, the Master of Management may be awarded with merit or distinction.

Completion Requirements

7. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
8. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Accountancy or the Postgraduate Diploma in Business and Administration or the Postgraduate Diploma in Health Service Management or the Postgraduate Certificate in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

10. All candidates commencing study towards Master of Management on or after 1 January 2014 must satisfy the requirements specified in these regulations.
11. Candidates who commenced study towards the Master of Management prior to 1 January 2014 may choose to transfer to these regulations, but must satisfy all requirements as specified.
12. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Degree of Master of Management

Accountancy

Part One

Subject papers (120 credits)

110.710	Contemporary Issues in Financial Accounting	30	P Graduate status and 110.309
110.711	Advanced Accounting Theory	30	P Graduate status and 110.311 or 110.309
110.780	Contemporary Issues in Taxation	30	P Graduate status and 110.389
110.785	International Taxation	30	P Graduate status
110.792	Special Topic	30	P Graduate status and PHOS

Part Two

110.895	Professional Practice	60	P Admission to Part Two of the MMgt
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Agribusiness

Part One

Compulsory paper (30 credits):

112.748	Advanced Food and Agribusiness Strategies	30	P Graduate status and PPD
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Subject papers (90 credits):

112.701	Farm Management	30	P Graduate status and PPD
112.702	International Agri-Food Marketing Strategies	15	
112.743	Cooperative Governance and Management	15	P Graduate status or PHOD/PD
114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
117.771	Dairy Production	15	P 117.351 or 117.371 or 117.381
117.772	Sheep Production	15	P 117.352 or 117.371 or 117.381
117.773	Beef Cattle Production	15	P 117.353 or 117.371 or 117.381
117.774	Pig Production	15	P 117.354 or 117.371 or 117.381
117.775	Deer Production	15	P 117.355 or PPD, Graduate status
117.776	Poultry Production	15	P 117.354 or 117.371 or 117.381
117.783	Advanced Studies in Animal Science	15	P PPD and Graduate status
119.731	Topics in Agricultural Extension and Consultancy	15	P Graduate status, PPD; R 111.755
119.751	Advanced Farm and Horticultural Management	30	P Graduate status, 119.381, 119.382, 119.358 or PPD; R 111.752
125.700	Managerial Finance	30	P Graduate status and PHOS
152.700	Organisation and Management	30	P Graduate status and PHOS
152.702	Advanced Strategic Management	30	P Graduate status
152.704	Business and Sustainability	30	P Graduate status; R 115.783
152.707	Leading and Changing Organisations	30	P Graduate status; R 152.709, 152.705
152.752	Project Management	30	P Graduate status and PHOS
156.700	Essentials of Marketing	30	P Graduate status and PHOS; R 156.701, 156.741, 156.771
156.742	Advanced Consumer Behaviour	30	P Graduate status and P or C 156.700 or PHOS; R 156.702, 156.771

156.743	Advanced Marketing Planning and Strategy	30	P Graduate status and P or C 156.700 or PHOS; R 156.704, 156.772
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 12.513, 78.456, 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS
188.705	Natural Resource Policy	15	P PPD; Graduate status
235.701	Maori Values and Resource Management	15	P Graduate status and PPD; R 188.704
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
239.785	Special Topic	15	P Graduate status and PPD
239.786	Special Topic	30	P Graduate status and PPD
240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752
240.754	Supply Chain Optimisation	15	P Graduate status and PPD
283.701	Advanced Pasture Production and Practice	15	P 171.301 or 283.301 or PPD, Graduate status; R 171.707
283.702	Advanced Agronomy	30	P 283.301 or 283.321 or 283.305 or 283.303 or 171.308, Graduate status and PPD; R 171.701 or 171.711 or 171.713
284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701
287.730	Quality Management	30	P Graduate status and PPD; R 143.719
287.735	Quality Improvement	15	P Graduate status and PPD; 143.785

Part Two

112.896	Professional Practice	60	P Admission to Part Two of the MMMgt
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Banking and Finance

Part One

Compulsory papers (60 credits):

125.7xx	An approved Finance paper (Students with insufficient undergraduate finance knowledge will be required to enrol in 125.700)	30	P Graduate status and PHOS
137.710	The Theory and Management of Banking	30	P Graduate status and PHOS

Banking subject papers (30 credits):

137.703	International Banking and Financial Markets	30	P/C 137.710 and Graduate status and PHOS
137.704	Risk Management for Financial Institutions	30	P Graduate status and 137.710
137.711	Strategic Banking Issues	30	P/C Graduate status and PHOS and 137.710; R 137.701, 137.702

Finance subject papers (30 credits):

125.732	Advanced Corporate Finance	30	P Graduate status and PHOS
125.740	Advanced Investment Analysis	30	P Graduate status and PHOS
125.780	Advanced International Finance	30	P Graduate status and PHOS
125.781	Advanced Financial Risk Management	30	P Graduate status and PHOS

Part Two

(60 credits):

125.895	Professional Practice	60	P Admission to Part Two of the MMgt
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137.897	Professional Practice	60	P Admission to Part Two of the MMgt
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Communication Management

Part One

Subject papers (120 credits):

219.702	Management Communication	30	P Graduate status
219.703	Advanced Business Communication	30	P Graduate status
219.704	Advanced Cross-Cultural Communication	30	P Graduate status
219.705	Advanced News Media Processes	30	P Graduate status
219.706	Advanced Public Relations	30	P Graduate status and PHOS

Part Two

219.888	Professional Practice	60	P Admission to Part Two of the MMgt
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Enterprise Development

Part One

Subject papers (120 credits):

152.700	Organisation and Management	30	P Graduate status and PHOS
152.704	Business and Sustainability	30	P Graduate status; R 115.783
152.731	Innovation and New Ventures	30	P Graduate status; R 26.441, 52.731
152.752	Project Management	30	P Graduate status and PHOS
152.766	International Entrepreneurship	30	P Graduate status and PHOS

Part Two

152.894	Professional Practice	60	P Admission to Part Two of the MMgt
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Financial Economics

Part One

Finance subject papers (60 credits):

125.700	Managerial Finance	30	P Graduate status and PHOS
125.732	Advanced Corporate Finance	30	P Graduate status and PHOS
125.740	Advanced Investment Analysis	30	P Graduate status and PHOS
125.780	Advanced International Finance	30	P Graduate status and PHOS
125.781	Advanced Financial Risk Management	30	P Graduate status and PHOS

Economics subject papers (60 credits):

178.702	Macroeconomics	30	P Graduate status and 178.703, or 178.200 and either 178.220 or 178.280, or PHOS; R 178.700, 178.714
178.703	The Theory and Practice of Economics	30	P Graduate status and PHOS
178.712	International Monetary Economics	30	P Graduate status and PHOS
178.713	Microeconomics	30	P Graduate status and any 300-level microeconomics paper, or PHOS
178.718	Health Economics	30	P Graduate status and PHOS
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 12.513, 78.456, 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS

Part Two

125.895	Professional Practice	60	P Admission to Part Two of the MMgt
178.896	Professional Practice	60	P Admission to Part Two of the MMgt

Health Service Management

Part One

Subject papers (120 credits):

152.700	Organisation and Management	30	P Graduate status and PHOS
152.742	Health Systems Management	30	P Graduate status; R 250.742
152.743	Health Policy	30	P Graduate status and PHOS; R 250.743
152.746	Contemporary Issues in Health Service Management	30	P Graduate status; R 250.746
125.700	Managerial Finance	30	P Graduate status and PHOS
157.701	Health Information Management	30	P Graduate status and PHOS
168.810	Health Research Design and Method	30	P Graduate status; R 168.710
178.718	Health Economics	30	P Graduate status and PHOS
250.741	Managing Professional Practice	30	P Graduate status and PHOS; R 168.708

Part Two

152.894	Professional Practice	60	P Admission to Part Two of the MMgt
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Human Resource Management

Part One

Subject papers (120 credits):

114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
114.709	Managing the Employment Relationship	30	P Graduate status and PHOS
114.722	Advanced Organisational Behaviour	30	P Graduate status, and PHOS or 114.702
114.735	Competitive Advantage and HRM Strategy	30	P Graduate status, and PHOS or 114.326 or 114.700 or 114.702; R 114.725
114.761	International Human Resource Management	30	P Graduate status and PHOS

Part Two

114.895	Professional Practice	60	P Admission to Part Two of the MMgt
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International Business

Part One

Subject papers (120 credits):

152.700	Organisation and Management	30	P Graduate status and PHOS
152.761	Advanced International Business	30	P Graduate status
152.764	Topics in International Business	30	P Graduate status
152.766	International Entrepreneurship	30	P Graduate status and PHOS
114.761	International Human Resource Management	30	P Graduate status

Part Two

152.894	Professional Practice	60	P Admission to Part Two of the MMgt
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Management

Part One

Subject papers (120 credits):

152.700	Organisation and Management	30	P Graduate status and PHOS
152.702	Advanced Strategic Management	30	P Graduate status
152.704	Business and Sustainability	30	P Graduate status
152.707	Leading and Changing Organisations	30	P Graduate status
152.752	Project Management	30	P Graduate status and PHOS

Part Two

152.894	Professional Practice	60	P Admission to Part Two of the MMgt.
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Marketing

Part One

Subject papers (at least 90 credits from):

156.700	Essentials of Marketing	30	P Graduate status and PHOS; R 156.701, 156.741, 156.771
156.742	Advanced Consumer Behaviour	30	P Graduate status and P or C 156.700 or PHOS; R 156.702, 156.771
156.743	Advanced Marketing Planning and Strategy	30	P Graduate status and P or C 156.700 or PHOS; R 156.704, 156.772
156.744	Advanced Marketing Research and Analysis	30	P Graduate status and P or C 156.700 or PHOS; R 156.703

156.755	Advanced Electronic and Mobile Marketing	30	P Graduate status and 156.700 or PHOS; R 156.718
156.758	Advanced Social Marketing	30	P Graduate status and PHOS; R 156.718

Elective papers (up to 30 credits):

152.731	Innovation and New Ventures	30	P Graduate status; R 26.441, 52.731
219.704	Advanced Cross-Cultural Communication	30	P Graduate status

Part Two

156.894	Professional Practice	60	P Admission to Part Two of the MMgt
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The Degree of Master of Māori Visual Arts MMVA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

Candidates who have qualified for the Postgraduate Diploma in Māori Visual Arts and who are eligible for admission to the Masterate degree shall follow an approved course of study for not less than one year consisting of 120 credits to fulfil the requirement/s of Part II of the Option selected for the Masterate programme.

Schedule to the Degree of Master of Māori Visual Arts

Part I (120 credits)

Either:

150.707	Te Tataitanga Matatau: Advanced Studio Practice	90	
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and 30 credits from the Schedule of papers below;

or

150.725	Rangahau Whakairo: Pre-Thesis Practicum (Part I)	60	
150.726	Rangahau Whakairo: Pre-Thesis Practicum (Part II)	60	

or

150.720	Rangahau Whakairo: Pre-thesis Practicum	120	
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Part II (120 credits)

Either:

150.809	Te Wahapu Matatau (Matau): Advanced Studio Practice	90	
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and 30 credits from the Schedule of papers below not completed previously;

or

150.825	Ngā Miro Whakaaturanga: Thesis Practicum 1	60	
150.826	Ngā Miro Whakaaturanga: Thesis Practicum 2	60	C 150.825

or

150.821	Ngā Miro Whakaaturanga: Thesis Practicum	120	P Graduate status
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Schedule of papers

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30	
150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
150.715	Taonga Tuku Iho: Heritage Aotearoa	30	
167.742	Collection Management	30	
167.743	Museum Management	30	
167.744	Museums and the Public	30	

Note

Candidates are eligible to enrol in 150.720 Rangahau Whakairo: Pre-Thesis Practicum if they are able to demonstrate a minimum of ten years exhibition or commission experience.

The Degree of Master of Natural Sciences MNAatSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Natural Sciences requires that the candidate will:
 - meet the University admission requirements as specified; and

(b) shall have been awarded or qualified for the Bachelor of Natural Sciences or an equivalent qualification, having achieved a B+ grade average or higher over 300-level papers.

- Notwithstanding Regulation 1, a candidate who has passed at least 240 credits towards the Bachelor of Natural Sciences including at least 105 credits at 200-level or above, with an average grade of B+ or better in the 200- and/or 300-level papers may, with the approval of the Programme Director, be permitted to enrol in the Master of Natural Sciences.

Qualification Requirements

- Candidates for the Degree of Master of Natural Sciences shall follow a course of study, which shall consist of papers totalling at least 180-credits, comprising:

(a) 60 credits at 700-level and 120 credits at 800-level;

And including:

(b) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

4. The Master of Natural Sciences is awarded without specialisation.

Student Progression

5. In cases of sufficient merit, the Degree of Master of Natural Sciences may be awarded with distinction or merit.

Completion Requirements

6. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.

7. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

8. Candidates admitted under Regulation 2 must complete the requirements of the Bachelor of Natural Sciences, or equivalent qualification, before they are eligible to graduate with the Master of Natural Sciences.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

10. All candidates commencing study towards the Degree of Master of Natural Sciences on or after 1 January 2015 must satisfy the requirements specified in these regulations.

11. All candidates who commenced study towards the Degree of Master of Natural Sciences prior to 1 January 2015 and who have passed at least 60 credits towards the qualification, may complete under the regulations in the 2014 Massey University Calendar, or transfer to these regulations.

12. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Part One

Compulsory paper (30 credits):

246.700	Advanced Research Themes in Natural Sciences	30	P 246.302
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Elective papers (30 credits):

123.792	Special Topic	30	P Graduate status and PPD
124.791	Special Topic	15	P Graduate status and PPD
124.792	Special Topic	30	P Graduate status and PPD
160.791	Special Topic	15	P Graduate status and PPD
160.792	Special Topic	15	P Graduate status and PPD
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R161.321

161.772	Multivariate Analysis for Researchers	15	P Graduate status and PPD; R161.323
161.773	Regression for Researchers	15	P Graduate status and PPD; R161.320
161.776	Statistical Modelling for Researchers	15	P One of 161.200 - 161.240; R161.304
161.777	Practical Data Mining	15	P Graduate status and PPD; R161.223 and 161.324
161.778	Biostatistics for Researchers	15	P Graduate status and PPD; R161.331
161.790	Special Topic	15	P Graduate status and PPD
161.791	Special Topic	15	P Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R162.750
196.791	Special Topic	30	P Graduate status and PPD
199.791	Special Topic	30	P Graduate status and PPD
203.761	Molecular Evolution	15	P Graduate status and PPD
203.762	Genetic Analysis	30	P Graduate status and PPD
203.763	Phylogenetics	15	P Graduate status and PPD; Bachelor degree must include at least one 300 level paper in mathematics, statistics or biology
232.701	Conservation Biology	30	P Graduate status and PPD; R196.719
232.703	Wildlife Management	30	P Graduate status and PPD; C232.701 or 196.713; R199.715
232.791	Special Topic	15	P Graduate status and PPD
232.792	Special Topic	30	P Graduate status and PPD

Thesis papers (120 credits):

123.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
123.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
123.899	Thesis	120	P Graduate status and PPD
124.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
124.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
124.899	Thesis	120	P Graduate status and PPD
162.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
162.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
162.899	Thesis	120	P Graduate status and PPD
196.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
196.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
196.899	Thesis	120	P Graduate status and PPD
199.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
199.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
199.899	Thesis	120	P Graduate status and PPD
203.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
203.898	Thesis 120 Credit 2	60	P Graduate status and PPD
203.899	Thesis	120	P Graduate status and PPD
232.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
232.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD
232.899	Thesis	120	P Graduate status and PPD

The Degree of Master of Nursing

MN

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolling for the degree of Master of Nursing candidates shall be registered nurses, normally holding a current practising certificate from the Nursing Council of New Zealand, with two years' relevant

speciality practice within five years of admission to the programme and have satisfied the Academic Board that they have sufficient professional experience and suitability to be likely to benefit from the course.

Course Requirements

2. A candidate shall follow a course of study comprising papers to the value of 240 credits.
3. The Master of Nursing is normally awarded without endorsement. To complete the degree without endorsement, a candidate must pass all of the following papers:

168.728	Assessment and Clinical Decision-Making	30	
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168.733	Physiology and Pathophysiology	30
168.734	Clinical Pharmacology	30
168.810	Health Research Design and Method	30

plus one of the following papers:

168.850	Prescribing Practicum for Nurses	30
168.851	Practicum	30
168.895	Research Report (30)	30 P 168.810

plus 90 credits from the Master of Nursing schedule of electives.

Endorsement

4. The Master of Nursing is also available with a Neonatal endorsement. The course of study for the Neonatal endorsement must include all of the following papers:

168.725	Neonatal Science and Clinical Care of the Neonate I	30
168.726	Neonatal Science and Clinical Care of the Neonate II	30
168.729	Neonatal and Family Assessment and Practice	30
168.734	Clinical Pharmacology	30
168.810	Health Research Design and Method	30
168.853	Advanced Neonatal Nursing Practicum	30

plus 60 credits from the Master of Nursing schedule of electives.

Honours/Distinction

5. The degree of Master of Nursing may be awarded with First Class Honours, Second Class Honours (Division I) or Second Class Honours (Division II), as determined by academic performance, to candidates who have not been awarded cross-credit under Regulation 7. In order to be eligible for the award of Honours, all requirements must be completed within two years by full-time students or within five years by part-time students.
6. The degree of Master of Nursing may be awarded with Distinction, in cases of sufficient merit, to candidates who have been awarded cross-credits under Regulation 7.
- (a) In order to be eligible for Distinction, students who are cross-credited with 60 credits must complete all requirements within two years of full-time study or within four years of part-time study.
- (b) In order to be eligible for Distinction, students who are cross-credited with 120 credits must complete all requirements within one year of full-time study or within three years of part-time study.

Recognition of Prior Learning

7. Candidates who have been awarded an approved Postgraduate Certificate or Postgraduate Diploma (or equivalent) in nursing, or other equivalent programme, may apply for cross-credit to the Master of Nursing degree. Such candidates may be cross-credited with up to 60 or up to 120 credits, respectively. The course of study for candidates credited 60 credits shall not exceed four calendar years and for candidates credited 120 credits shall not exceed three calendar years.
8. Candidates enrolled for the Bachelor of Arts (Honours) (Nursing) or the Postgraduate Diploma in Nursing or Postgraduate Certificate in Nursing who have not been awarded that degree, diploma or certificate may, on transferring to the course of the degree of Master of Nursing, transfer papers completed under the previous qualification to the Master of Nursing. For such candidates the Course Regulations for the degree of the Master of Nursing shall be deemed to apply as from the date of their enrolling for the BA(Hons)(Nursing), PGDipNurs or PGCertNurs.

Time Limits

9. A candidate's course of study shall not exceed five calendar years unless a specified time of suspension or extension is approved by the Academic Board. A candidate granted cross-credit under Regulation 7 shall have the course of study duration reduced accordingly, such that the course of study for candidates credited 60 credits under Regulation 7 shall not exceed four calendar years and for candidates credited 120 credits shall not exceed three calendar years.

Master of Nursing Schedule of Electives

168.703	Managing Lifelong Conditions	30
168.707	Women's Health	30
168.709	Contemporary Trends in Clinical Teaching and Learning	30
168.712	Pain Management	30 P 168.733
168.714	Advanced Assessment and Therapeutic Intervention in Mental Health	30
168.717	Ethical Dilemmas and Decisions in Professional Practice	30
168.718	Clinical Specialty: Family Practice	30
168.719	Clinical Specialty: Older Persons' Health	30
168.720	Clinical Specialty: Mental Health	30
168.721	Māori Centred Practice	30
168.722	Wound Management	30 C 168.733
168.724	Primary Health Care Nursing	30
168.731	Leadership in Nursing	30
168.732	Personal and Community Health	30
168.791	Special Topic I	30
147.704	Drugs and Society	30
147.712	Coexisting Substance Use and Mental Health Problems	30 C 147.704
150.701	Tino Rangatiratanga: Strategic Māori Development	30
150.702	Mauri Ora: Māori Mental Health	30
150.723	Ngā Momo Whānau: Whānau Form and Function	30
152.742	Health Systems Management	30 P Graduate Status; R 250.742
152.746	Contemporary Issues in Health Service Management	30
175.761	Theory and Practice of Cognitive Behaviour Therapy	15
175.764	Cognitive Behaviour Therapy for Chronic and Complex Disorders	15 P 175.761
250.741	Managing Professional Practice	30 R 168.708
252.701	Sleep and Circadian Science for Health Practitioners	30 P Postgraduate Status; R 252.702

Specific requirements for the Neonatal Endorsement

168.725	Neonatal Science and Clinical Care of the Neonate I	30
168.726	Neonatal Science and Clinical Care of the Neonate II	30 P 168.725 or equivalent
168.729	Neonatal and Family Assessment and Practice	30 C 168.725; R 168.727, 168.760; Note 4
168.853	Advanced Neonatal Nursing Practicum	30 P 168.725, 168.729 (or 168.727 and 168.760); C 168.726; R 168.761, 168.762; Note 4

Notes

- The clinical experience associated with this practicum may be taken in a variety of fields of practice. Approval of the student's choice is dependent on access to appropriate field settings, approval of a nominated clinical preceptor and suitability for practice in the selected field. The student is required to hold a current practising certificate issued by the Nursing Council of New Zealand and have indemnity insurance.
- The B entry requirement for 168.850 applies to all students enrolling in papers 168.728 and 168.734 or their equivalent from 2010.
- Entry to a Certificate of Proficiency for 168.850 Prescribing Practicum for Nurses is decided on an individual basis.
- The clinical experience associated with this paper may be taken in a variety of fields of practice related to neonatal or newborn nursing. Approval of the student's choice is dependent on access to appropriate field settings, approval of a nominated clinical preceptor and suitability for practice in the selected field. The student is required to hold a current practising certificate issued by the Nursing Council of New Zealand and have indemnity insurance.

The Degree of Master of Philosophy

MPhil

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

- Candidates for the degree of Master of Philosophy shall, before enrolment, have:
 - been admitted or qualified for admission in the College in which it is proposed to enrol to either a Bachelor's Degree or to an Honours Degree; or
 - been granted admission with equivalent status as entitled to pursue a course of study for the degree in a College other than that in which they qualified for admission either to a Bachelor's Degree or to an Honours Degree; or
 - such other qualifications as the Academic Board may accept.

- Except as provided in Regulations 1, 3 and 4, candidates shall comply with the Course Regulations for a Master's Degree in the College in which they pursue the course of study.
- Candidates who have been enrolled on the basis of a Bachelor's Degree for which the required course of study was of three years' duration shall be required to take the examinations in an approved set of advanced level papers in the proposed field of study equivalent in amount to one year of full-time study.
- In special circumstances, and subject to Regulation 3, the Academic Board may at its discretion modify for candidates the requirements of the Course Regulations for a Master's Degree in the College in which they pursue their course of study. Modifications that may be permitted under this Regulation are substitution, wholly or in part, of a thesis for required course work, and substitution of other requirements for a thesis.
- The degree shall be awarded on the combined result of the papers (where applicable) and a pass in the thesis (where applicable). In Colleges where the College Masterate is awarded with classes of honours, the Master of Philosophy degree may be awarded with distinction for a result of the same standard as that required for first class honours in the College Masterate.

The Degree of Master of Professional Accountancy and Finance

MPAF

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Professional Accountancy and Finance requires that the candidate will:
 - Meet the University admission requirements as specified, and:
 - Have completed an undergraduate degree achieving at least a B grade average in the highest two levels of the majoring subject.

Qualification Requirements

- Candidates for the Master of Professional Accountancy and Finance shall follow a fixed course of study, which shall consist of papers totalling at least 240 credits, comprising Part A and Part B, including all of the papers specified in the Schedule to the Qualification.
- If a candidate has already passed a paper with substantially the same prescription and at the same level as one or more of those offered in the Master of Professional Accountancy and Finance then the candidate may be permitted to complete another approved paper or papers that they have not already passed.

Specialisations

- There are no specialisations for this qualification.

Academic Requirements

- There are no additional academic requirements for this qualification.

Student Progression

- In order to progress from Part A to Part B, candidates must have maintained a B- grade average in Part A of the qualification.
- The Master of Professional Accountancy and Finance may be awarded with or without Honours.

Completion Requirements

- The timeframes for completion as outlined in General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Business and Administration or to the Postgraduate Certificate in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Master of Professional Accountancy and Finance

Part A

110.701	Accounting Systems	15
110.702	Financial Accounting and Reporting	15
110.703	Management Accounting and Decision Making	15
125.701	Quantitative Methods for Accounting and Finance	15
125.702	Financial Management	15
152.771	Management in Organisations	15
155.771	Law of Business	15
178.771	Economics	15

Part B

110.804	Advanced Financial Accounting and Reporting	15	P110.702
110.805	Advanced Strategic Management Accounting	15	P110.703
110.806	Auditing and Assurance	15	P110.701, 110.702
110.807	Tax	15	
125.803	Corporate Finance	15	P125.702
125.804	Financial Asset Management	15	P125.702
125.805	International Finance	15	P125.702
125.806	Financial Risk Management	15	P125.702

The Degree of Master of Public Health MPH

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolling a candidate shall have been awarded or qualified for the Postgraduate Diploma in Public Health or an equivalent qualification.

Course Requirements

2. A candidate shall follow an approved course of study for the equivalent of one year's full-time study and not more than four years' part-time study.
3. To qualify for the award of the MPH every candidate shall normally complete either:
 - (a) a thesis to the value of 120 credits (231.899 or 231.816 and 231.817); or
 - (b) a research project to the value of 60 credits plus papers from the PGDipPH schedule to the value of 60 credits.

Honours/Distinction

4. Honours are not available for 120-credit Masters.

The Degree of Master of Public Health (Biosecurity) MPH(Biosecurity)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolling candidates for the MPH (Biosecurity) shall have been awarded a medical degree and be eligible for registration to practice in the country from where they will be enrolled to receive the programme.

Course Requirements

2. Candidates shall follow an approved course of study comprising 120 credits:

Schedule for the Degree of Master of Public Health (Biosecurity)

195.740	A Population Basis for Measuring Health	15
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195.741	Epidemiological Techniques for Disease Investigation	15
195.742	Disease Surveillance and Diagnostic Testing	15
195.743	Principles of Disease Control and Management	15
231.721	International Public Health	15
231.722	Communicable Disease Prevention and Control	15
231.723	Epidemiological Methods	15
231.724	International Occupational and Environmental Health	15

Note:

The Public Health papers will normally be undertaken only after completion of the four core papers, 195.740, 195.741, 195.742, and 195.743.

The Degree of Master of Quality Systems MQS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Quality Systems requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) shall have been awarded or qualified for a university bachelor's degree or an equivalent qualification; and
 - (c) have achieved a B grade average over the 300-level majoring papers of the qualification(s) considered for admission, or equivalent.
2. Admission to the Degree of Master of Quality Systems by thesis requires that the candidate will:
 - (a) meet the University admission requirements as specified; and

- (b) have been awarded or qualified for a Bachelor's degree in a related field, and have satisfied Academic Board that they have a minimum of 5 years professional experience in quality management or a related area; or
- (c) have been awarded or qualified for a Bachelor's degree with Honours in a related field of study; or
- (d) have been awarded or qualified for the Postgraduate Diploma in Quality Systems, or an equivalent qualification; and
- (e) have achieved a B grade average across the 700-level papers of the qualifying qualification.

Qualification Requirements

3. Candidates for the Degree of Master of Quality Systems shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - (a) Part One and Part Two as defined by the Schedule to the Degree. And including:
 - (a) papers selected from the Schedule to the Degree;
 - (c) any compulsory papers identified in the Schedule to the Degree;

- (d) attending field trips, studios, workshops, tutorials, and laboratories as required.
4. Notwithstanding Regulation 3, the course of study for candidates for the Degree of Master of Quality Systems by thesis will consist of papers totalling 120 credits, comprising:
- (a) a thesis of 120 credits; or
 - (b) a thesis of 90 credits and 15 credits of approved Research Methods plus one other paper from the schedule.

Specialisations

5. The Master of Quality Systems is awarded without specialisation.

Student Progression

6. For progression to Part Two, candidates must have maintained a B+ grade average over papers completed in Part One.
7. In cases of sufficient merit, the Master of Quality Systems may be awarded with a class of Honours.

Completion Requirements

8. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
9. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Quality Systems should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

10. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

11. All candidates commencing study towards the Degree of Master of Quality Systems on or after 1 January 2014 must satisfy the requirements specified in these regulations.
12. All candidates who commenced study towards the Master of Quality Systems prior to 1 January 2014, and who have passed at least 30 credits whilst enrolled in the Master of Quality Systems, may complete under the Master of Quality Systems regulations in the 2013 Massey University Calendar (or earlier regulations) until the end of the 2016 academic year.
13. Candidates who commenced study towards the Postgraduate Diploma in Quality Systems in 2013 or earlier and who successfully complete the Postgraduate Diploma by the end of the 2014 year may be admitted

to and permitted to complete the Master of Quality Systems under the regulations in the 2013 Calendar until the end of the 2018 academic year.

14. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Part One (30 credits)

Compulsory papers (30 credits):

30 credits from:

287.730	Quality Management	30	P Graduate status and PPD; R 143.719
287.733	Quality Management for Medical Laboratories	30	P Graduate status and PPD; R 143.796
Elective papers (minimum 30 credits):			
287.731	Statistical Methods for Quality	30	P Graduate status and PPD; R 143.709
287.735	Quality Improvement	15	P Graduate status and PPD; R 143.785
287.736	Service Quality	15	P Graduate status and PPD; R 143.786
287.737	Quality and People	15	P Graduate status and PPD; R 143.787
287.738	Quality and Production	15	P Graduate status and PPD; R 143.788
240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752
119.729	Research Methods	15	P Graduate status and PPD

Part Two (minimum 90 credits)

Option A

287.899	Thesis	120	P 119.729; C 119.729
287.897	Thesis 120 Credit Part 1	60	P 119.729; C 119.729
287.898	Thesis 120 Credit Part 2	60	P 119.729; C 119.729, 287.897

Option B

287.888	Thesis	90	P 119.729; C 119.729
287.886	Thesis 90 Credit Part 1	45	P 119.729; C 119.729
287.887	Thesis 90 Credit Part 2	45	P 119.729; C 119.729, 287.886

**The Degree of Master of Resource and Environmental Planning
MRP**

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Candidates for the Degree of Master of Resource and Environmental Planning shall before enrolment have:
- (a) qualified for admission to the degree of Bachelor of Resource and Environmental Planning with Honours; or
 - (b) qualified for the award of the Postgraduate Diploma in Planning with a satisfactory standard across all papers; or
 - (c) been granted admission with equivalent status as entitled to proceed in the subject or subjects offered.

In addition to the normal requirements for admission to a Postgraduate Certificate, Postgraduate Diploma, 120-credit Bachelor (Honours) or a Masters degree, entry is based on the following pre-selection criteria:

Candidates from countries where English is not the first language, or those where the language of instruction in secondary school education

is not in English, are required to provide satisfactory evidence of their proficiency in English, in the form of an overall academic score of at least 7.0 in an IELTS assessment (or equivalent) with no band score less than 6.5.

Course Requirements

2. Candidates shall follow an approved course of study comprising:
- (a) papers to the value of 210 credits, including 132.731, 132.732, 132.736 and 132.804, plus a 30 credit research report (132.895); or
 - (b) papers to the value of 150 credits, including 132.731, 132.732, 132.736 and 132.804, plus a 90 credit thesis (132.897 or 1328xx and 1328xx); or
 - (c) 132.731, 132.732, 132.736 and 132.804, plus a thesis to the value of 120 credits (132.899 or 132.815 and 132.816).
3. The papers for the qualification shall be selected from the following schedule:

132.705	Applied Ecological Economics	30	P Graduate status
132.730	Policy Analysis and Evaluation Techniques	30	P Graduate status
132.731	Planning Law	30	P Graduate status
132.732	Planning Theory	30	P Graduate status
132.733	Conservation Policy and Planning	30	P Graduate status

132.734	Urban Planning and Development	30	P Graduate status
132.735	Natural Resource Planning	30	P Graduate status
132.736	Professional Practice	30	P Graduate status
132.738	GIS Principles and Applications	30	P Graduate status
132.739	Assessing Environmental Impacts: Principles and Practice	30	P Graduate status
132.741	Long-Term Community Planning	30	P Graduate status
132.742	Planning History: From Town Planning to Resource Management	30	P Graduate status
132.751	Natural Hazards and Resilient Communities	30	P Graduate status
132.804	Applied Research in Planning	30	P Graduate status, at least 30 credits of 700-level papers from the MRP schedule
132.815	Thesis 120 Credit Part 1	60	P 132.804
132.816	Thesis 120 Credit Part 2	60	C 132.815; P 132.804
132.895	Research Report (30)	30	P 132.804; R 132.798
132.893	Thesis 90 Credit Part 1	45	P 132.804
132.894	Thesis 90 Credit Part 2	45	P 132.804; C 132.893
132.897	Thesis	90	P 132.804
132.899	Thesis	120	P 132.804

Notes

Papers may include compulsory field trips and/or Block courses and related activities.

Concessions

- Candidates who have been awarded a 480-credit Resource and Environmental Planning degree (with First Class Honours or Second Class Honours (Division One) or equivalent), or with a Postgraduate Diploma in Planning or equivalent, completed to an equivalent standard, may be permitted with the approval of the Head of School to complete the MRP with not less than 150 credits including 132.804 and a thesis to the value of 120 credits (132.899 or 132.815 and 132.816).

Transition Provisions

- These regulations apply from 1 January 2012.
 - All candidates who commenced study towards the MRP degree on or after 1 January 2012 must satisfy the requirements specified in these regulations.
 - Candidates who commenced study towards the MRP degree in 2011 or earlier, and who have completed fewer than 180 credits at the beginning of the 2012 academic year must transfer to the 2012 MRP regulations.
 - Candidates who commenced study towards the MRP degree in 2011 or earlier may choose to transfer to the 2012 regulations, but must then satisfy all requirements specified in the 2012 MRP regulations.
 - Candidates who commenced study towards the MRP degree in 2011 or earlier, and who have completed 180 credits or more by the beginning of the 2012 academic year are not required to include 132.804 in their programme of study, provided that such candidates complete all MRP requirements by the end of the 2013 academic year.

The Degree of Master of Science MSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Science requires that the candidate will have:
 - been awarded or qualified for the Bachelor of Science with a major in the intended postgraduate subject, or an equivalent qualification; and
 - achieved a B grade average over the 300-level majoring papers of the qualification(s) considered for admission, or equivalent;
 or will have:
 - been awarded or qualified for either the Bachelor of Science with Honours or the Postgraduate Diploma in Science in the intended MSc subject, having achieved a B grade average over the contributing papers.
- In all cases the candidate will be required to meet the University admission requirements as specified.
- Admission to the Degree of Master of Science (Medical Laboratory Science) requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the Bachelor of Medical Laboratory Science having achieved a B grade average over the 300-level papers, or an NZIMLS Fellowship and a Massey University Postgraduate Diploma in Science, or equivalent qualification(s); and
 - be registered as a New Zealand Medical Laboratory Scientist.
- Admission to the Degree of Master of Science (Nutrition and Dietetics) requires that the candidate will:
 - meet the requirements of Regulation 1; and

- meet all the requirements as defined by the New Zealand Dietitians Board for registration as an Entry-level Dietitian, in terms of good character and fitness to be a dietitian; and
- be selected into the programme conditional upon the availability of approved clinical placements.

Qualification Requirements

- Candidates for the Degree of Master of Science shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - Part One and Part Two as defined by the Schedule to the Degree.
 - completion of a Subject.
- Notwithstanding Regulation 5, the course of study for candidates admitted under Regulation 1(c) will consist of a thesis totalling at least 120 credits as included in the Schedule to the degree.
- Notwithstanding Regulation 5, candidates admitted under Regulation 3 shall follow a course of study which shall consist of papers totalling at least 135 credits as specified for the Medical Laboratory Science subject in the Schedule to the degree.

Specialisations

- Except as provided under Regulation 6, candidates may complete a subject by passing at least 180 credits in a subject including:
 - a thesis of at least 90 credits or a research report of at least 60 credits;
 - at least 60 credits at 700 level, including where identified in the Schedule to the Degree, a Research Methods paper and any compulsory papers.
 The requirements for each subject are set out in the Schedule for the Qualification.
- Notwithstanding Regulation 7, candidates may complete the subject Medical Laboratory Science by passing at least 135 credits in that subject including:
 - a research report of at least 45 credits;
 - at least 90 credits at 700 level, including where identified in the Schedule to the Degree, any compulsory papers.
- Notwithstanding Regulation 7. Candidates may complete the subject Nutrition and Dietetics by passing 240 credits in that subject including:

- (a) a thesis of at least 90 credits;
 - (b) 150 credits at 700 level, including where identified in the Schedule to the Degree, any compulsory papers.
11. Notwithstanding Regulation 7. Candidates may complete the subject Psychology by passing at least 240 credits in that subject including:
- (a) a thesis of at least 120 credits;
 - (b) 120 credits at 700 level, including where identified in the Schedule to the Degree, any compulsory papers.
12. Subjects available are: Agricultural Science, Animal Science, Biochemistry, Biological Sciences, Chemical Physics, Chemistry, Computer Science, Conservation Biology, Earth Science, Ecology, Exercise and Sport Science, Genetics, Geography, Horticultural Science, Human Nutrition, Industrial Mathematics and Statistics, Mathematical Physics, Mathematics, Medical Laboratory Science, Microbiology, Nanoscience, Nutrition and Dietetics, Nutritional Science, Physics, Physiology, Plant Biology, Plant Breeding, Psychology, Soil Science, Statistics and Zoology.
13. Notwithstanding Regulation 7, the Academic Board may approve a course of study involving papers from more than one of the subjects listed in Regulation 11, provided that at least half of the total credits for the papers are chosen from the same subject as the thesis.

Student Progression

14. In cases of sufficient merit, the Master of Science degree may be awarded with a class of Honours, Distinction or Merit, in accordance with the provisions specified in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.
15. A 180-credit Master of Science that includes a 90- or 120-credit thesis may be awarded with a class of Honours. In all other cases of sufficient merit, a 180-credit Master of Science may be awarded with Distinction or Merit.
16. For progression to Part Two of the Degree of Master of Science, candidates must have maintained a B grade average over the Part One papers.

Completion Requirements

17. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates will apply.
18. Candidates may be graduated when they meet the Admission, Qualification, and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

19. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

20. All candidates commencing study towards Master of Science on or after 1 January 2015 must satisfy the requirements specified in these regulations.
21. Candidates who commenced study towards the Master of Science prior to 1 January 2015 may transfer to these regulations, but must satisfy all requirements as specified.
22. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Agricultural Science

Part One (at least 60 credits)

At least 15 credits from:

119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750

Subject papers (one Option):

Option A: Animal Science

At least 30 credits at 700 level from the 117 prefix.

At least 15 credits at 700 level from the 189, 285, or 286 prefixes.

Option B: Agriculture/ Horticulture Plants

At least 30 credits at 700 level from the 283 or 284 prefix

At least 15 credits at 700 level from the 117, 119, 189, 281, 283 or 285 prefixes.

Option C: Soil Science

At least 30 credits at 700 level from the 189 prefix.

At least 15 credits at 700 level from the 117 or 119 prefixes.

Part Two (at least 60 credits)

Option A: Animal Science

117.899	Thesis	120	P Graduate status and PPD
117.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
117.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 117.897
117.875	Thesis	90	
117.871	Thesis 90 Credit Part 1	45	
117.872	Thesis 90 Credit Part 2	45	C 117.871
117.887	Research Report	60	P PPD and Graduate status

Option B: Agriculture/ Horticulture Plants

171.899	Thesis	120	P Graduate status and PPD
171.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
171.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 171.897
171.875	Thesis	90	
171.871	Thesis 90 Credit Part 1	45	
171.872	Thesis 90 Credit Part 2	45	C 171.871
171.887	Research Report	60	P Graduate status and PPD

Option C: Soil Science

189.899	Thesis	120	P Graduate status and PPD
189.895	Thesis 120 Credit Part 1	60	P Graduate status and PPD
189.896	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 189.95
189.875	Thesis	90	
189.871	Thesis 90 Credit Part 1	45	
189.872	Thesis 90 Credit Part 2	45	C 189.871
189.887	Research Report	60	P Graduate status and PPD

Animal Science

Part One (at least 60 credits)

Compulsory paper (30 credits):

119.728	Research Practice	15	P Graduate status and PPD
151.709	Biometrics for the Animal and Nutritional Sciences	15	P Graduate status and PPD

At least 30 credits from:

117.761	Ruminant Livestock Feeding	15	P 117.254 or PPD, Graduate status
117.762	Intensive Livestock Feeding	15	P 117.342 or PPD, Graduate status
117.764	Growth and Meat Science	15	P 117.344 or PPD, Graduate status
117.765	Genetics and Breeding	15	P 117.345 or PPD, Graduate status
117.767	Reproduction and Fertility	15	P 117.347 or PPD, Graduate status
117.768	Metabolism and Endocrinology	15	P 117.348 or PPD, Graduate status
117.769	Lactation and Milk Production	15	P 117.347 or PPD, Graduate status

Subject papers

Papers at 700-level from the 117, 118, 122, 151, 194, 199 prefixes.

Part Two

120 credits from:

117.899	Thesis	120	P Graduate status and PPD
117.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
117.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 117.897

OR

At least 60 credits from:

117.875	Thesis	90	
117.871	Thesis 90 Credit Part 1	45	
117.872	Thesis 90 Credit Part 2	45	C 117.871
117.887	Research Report	60	P PPD and Graduate status

Biochemistry

Part One (at least 60 credits)

Compulsory papers (60 credits):

122.703	Gene Expression	30	P Graduate status and PPD
122.704	Molecular Cell Biology	30	P Graduate status and PPD

Subject papers:

122.713	Advanced Topics in Biochemistry	15	P Graduate status and PPD
122.791	Special Topic	30	P Graduate status and PPD
122.792	Special Topic	15	P Graduate status and PPD
122.798	Research Report	30	P Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750
203.711	Advanced Topics in Molecular Genetics	30	P Graduate status and PPD
203.752	Computational Biology	15	P Graduate status and PPD, Bachelor's degree must include at least one 300-level paper in mathematics, statistics, biology, or computer science; R 162.751
203.797	Research Project in Molecular Biology	15	P Graduate status; R 120.799, 120.798, 122.798, 162.798. 203.798 in the same enrolment period

Part Two

120 credits from:

122.899	Thesis	120	P Graduate status and PPD
122.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
122.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 122.897

OR

At least 60 credits from:

122.875	Thesis	90	
122.871	Thesis 90 Credit Part 1	45	
122.872	Thesis 90 Credit Part 2	45	C 122.871
122.870	Research Report	60	

Biological Sciences

Part One (at least 60 credits)

Subject papers:

At least 60 credits at 700-level from 120, 122, 162, 194, 196, 199, 203 prefixes.

Part Two (at least 60 credits)

Thesis of 120 credits (XXX.899, or XXX.897 and XXX.898), or a thesis of 90 credits (XXX.875, or XXX.871 and XXX.872), or a research report of 60 credits (XXX.8xx) from one of 120, 122, 162, 194, 196, 199, 203 prefixes.

Chemical Physics

Part One (at least 60 credits)

Compulsory paper (30 credits):

123.711	Research Methods in Chemistry and Nanoscience	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
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At least 30 credits from:

123.798	Research Report	30	P Graduate status and PPD
124.798	Research Report	30	P Graduate status and PPD

Subject papers:

123.712	Advanced Nanoscience and Physical Chemistry	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
123.713	Advanced Chemical Synthesis	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
123.792	Special Topic	30	P Graduate status and PPD
124.721	Quantum Mechanics and Group Theory	15	P Graduate status and PPD
124.761	Topics in Statistical Physics and Random Processes	15	P Graduate status and PPD
124.762	Chemical Physics	15	P Graduate status and PPD
124.792	Special Topic	30	P Graduate status and PPD

Part Two

120 credits of either 123.8xx or 124.8xx papers from:

123.899	Thesis	120	P Graduate status and PPD
123.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
123.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 123.897
124.899	Thesis	120	P Graduate status and PPD
124.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
124.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 124.897

OR

At least 60 credits of either 123.8xx or 124.8xx papers from:

123.875	Thesis	90	
123.871	Thesis 90 Credit Part 1	45	
123.872	Thesis 90 Credit Part 2	45	C 123.871
123.870	Research Report	60	
124.875	Thesis	90	
124.871	Thesis 90 Credit Part 1	45	
124.872	Thesis 90 Credit Part 2	45	C 124.871
124.870	Research Report	60	

Chemistry

Part One (at least 60 credits)

Compulsory paper (30 credits):

123.711	Research Methods in Chemistry and Nanoscience	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
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At least 30 credits from:

123.712	Advanced Nanoscience and Physical Chemistry	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
123.713	Advanced Chemical Synthesis	30	P A major in Chemistry or Nanoscience as prescribed for the BSc degree, plus a further 15 credits at 300-level in Chemistry, Nanoscience or another approved subject.
123.798	Research Report	30	P Graduate status and PPD

Subject papers:

124.712	Condensed Matter Physics	15	P Graduate status and PPD
124.762	Chemical Physics	15	P Graduate status and PPD
123.792	Special Topic	30	P Graduate status and PPD

Part Two

120 credits from:

123.899	Thesis	120	P Graduate status and PPD
123.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
123.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 123.897

OR

At least 60 credits from:

123.875	Thesis	90	
123.871	Thesis 90 Credit Part 1	45	
123.872	Thesis 90 Credit Part 2	45	C 123.871
123.870	Research Report	60	

Computer Science

Part One (at least 60 credits)

159.702	Knowledge Engineering	15	P Graduate status and PPD
159.703	Advanced Computer Systems	15	P Graduate status and PPD
159.704	Systems Programming	15	P Graduate status and PPD
159.707	Advanced Software Design and Construction	15	P Graduate status and PPD
159.709	Computer Graphics	15	P Graduate status and PPD
159.710	User Interface Design	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.733	Studies in the Practice of Computing	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD
159.738	Special Topic	15	P Graduate status and PPD
159.739	Special Topic	15	P Graduate status and PPD
159.740	Studies in Intelligent Systems	15	P Graduate status and PPD
159.771	Special Topic	15	P Graduate status and PPD
159.772	Special Topic	15	P Graduate status and PPD
159.773	Special Topic	15	P Graduate status and PPD
159.774	Special Topic	30	P Graduate status and PPD
159.776	Special Topic	15	P Graduate status and PPD
159.799	Research Report	30	P Graduate status and PPD

Part Two

120 credits from:

159.899	Thesis	120	P Graduate status and PPD
159.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
159.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 159.897

OR

At least 60 credits from:

159.875	Thesis	90	
159.871	Thesis 90 Credit Part 1	45	
159.872	Thesis 90 Credit Part 2	45	C 159.871
159.870	Research Report	60	

Conservation Biology

Part One (at least 60 credits)

Compulsory papers (60 credits):

232.701	Conservation Biology	30	P Graduate status and PPD; R 196.719
232.703	Wildlife Management	30	P Graduate status and PPD; C 232.701 or 196.713; R 199.715

Subject papers:

132.735	Natural Resource Planning	30	P Graduate status
132.738	GIS Principles and Applications	30	P Graduate status
188.705	Natural Resource Policy	15	P PPD; Graduate status
188.763	Advanced Environmental Management	30	P PPD; Graduate status
194.709	Conservation Endocrinology and Reproductive Biology	30	P Graduate status and PPD
196.712	Aquatic Ecology	30	P Graduate status and PPD
196.726	Plant Ecology	30	P Graduate status and PPD
232.704	Wildlife Disease	30	P Graduate status and PPD
232.705	Captive Breeding and Management	30	P Graduate status and PPD
232.791	Special Topic	15	P Graduate status and PPD
232.792	Special Topic	30	P Graduate status and PPD
232.793	Special Topic	30	P Graduate status and PPD
232.799	Research Report	30	P Graduate status and PPD
235.701	Maori Values and Resource Management	15	P Graduate status and PPD; R 188.704

Part Two

120 credits from:

232.899	Thesis	120	P Graduate status and PPD
232.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
232.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 232.897

OR

At least 60 credits from:

232.875	Thesis	90	
232.871	Thesis 90 Credit Part 1	45	
232.872	Thesis 90 Credit Part 2	45	C 232.871
232.870	Research Report	60	

Earth Science

Part One (at least 60 credits)

119.728	Research Practice	15	P Graduate status and PPD
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OR

119.729	Research Methods	15	P Graduate status and PPD
233.701	Advanced Pedology	30	P 189.364 or PPD
233.702	Advanced Quaternary Geology	30	P Graduate status and PPD
233.705	Volcanology and Tephrochronology	30	P Graduate status and PPD
233.706	Environmental Geographical Information Systems	30	P PPD, Graduate status
233.707	Environmental Remote Sensing	30	P 189.307 or 189.364 or PPD, Graduate status
233.708	Geochemistry	30	P Graduate status and PPD
233.709	Advanced Sedimentology	30	P Graduate status and PPD
233.756	Environmental Geology	30	P Graduate status and PPD
233.792	Special Topic	30	P Graduate status and PPD
233.799	Research Report	30	P Graduate status and PPD

Part Two

120 credits from:

233.899	Thesis	120	P Graduate status and PPD
233.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
233.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 233.897

OR

At least 60 credits from:

233.875	Thesis	90	
233.871	Thesis 90 Credit Part 1	45	
233.872	Thesis 90 Credit Part 2	45	C 233.871
233.870	Research Report	60	

Ecology

Part One (at least 60 credits)

At least 60 credits from:

196.712	Aquatic Ecology	30	P Graduate status and PPD
196.713	Ecology	30	P Graduate status and PPD
196.726	Plant Ecology	30	P Graduate status and PPD

Subject papers:

196.791	Special Topic	30	P Graduate status and PPD
196.798	Research Report	30	P Graduate status and PPD
232.701	Conservation Biology	30	P Graduate status and PPD; R 196.719

700-level papers from the 120, 199, 232 prefixes.

Part Two

120 credits from:

196.899	Thesis	120	P Graduate status and PPD
196.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
196.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 196.897

OR

At least 60 credits from:

196.875	Thesis	90	
196.871	Thesis 90 Credit Part 1	45	
196.872	Thesis 90 Credit Part 2	45	C 196.871
196.870	Research Report	60	

Exercise and Sport Science

Part One (at least 60 credits)

Compulsory paper (15 credits):

234.771	Research Methods in Sport and Exercise	15	P Graduate status or Permission of Programme Director
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Subject papers:

234.716	Advanced Physical Conditioning	15	P Graduate status and PPD; R 234.705 and 152.719
234.720	Skeletal Muscle Metabolism	15	P Graduate status and PPD. Students need to have passed 122.102, 194.241 and 234.203 or equivalent; R 234.702
234.721	Muscle Mechanics	15	P Graduate status and PPD. Students need to have passed 194.241 and 234.203 or equivalent; R 234.751 and 234.701
234.722	Advanced Biomechanics	15	P Graduate status and PPD; R 234.753 and 234.704
234.723	Advanced Topics in Exercise Science	15	P Graduate status and PPD.
234.790	Special Topic	15	P Graduate status and PPD.
234.791	Special Topic	15	P Graduate status and PPD
234.792	Special Topic	30	P Graduate status and PPD
234.799	Research Report	30	P Graduate status and PPD

Part Two

120 credits from:

234.899	Thesis	120	P Graduate status and PPD
234.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
234.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 234.897

OR

At least 60 credits from:

234.875	Thesis	90	
234.871	Thesis 90 Credit Part 1	45	
234.872	Thesis 90 Credit Part 2	45	C 234.871
234.870	Research Report	60	

Genetics

Part One (At least 60 credits)

Compulsory papers (60 credits):

162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750
203.762	Genetic Analysis	30	P Graduate status and PPD

Subject papers:

120.715	Advanced Topics in Evolutionary Genetics	30	P Graduate status
122.703	Gene Expression	30	P Graduate status and PPD
122.713	Advanced Topics in Biochemistry	15	P Graduate status and PPD
203.752	Computational Biology	15	P Graduate status and PPD; Bachelor's degree must include at least one 300-level paper in mathematics, statistics, biology, or computer science; R 162.751
203.761	Molecular Evolution	15	P Graduate status and PPD
203.763	Phylogenetics	15	P Graduate status and PPD; Bachelor's degree must include at least one 300 level paper in mathematics, statistics or biology
203.791	Special Topic	30	P Graduate status and PPD
203.792	Special Topic	15	P Graduate status and PPD
203.797	Research Project in Molecular Biology	15	P Graduate status; R 120.799, 120.798, 122.798, 162.798. 203.798 in the same enrolment period.
203.798	Research Report	30	P Graduate status and PPD
247.712	Advanced Topics in Molecular Biology	30	P Graduate status and PPD

Part Two

120 credits from:

203.899	Thesis	120	P Graduate status and PPD
203.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
203.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 203.897

OR

At least 60 credits from:

203.875	Thesis	90	
203.871	Thesis 90 Credit Part 1	45	
203.872	Thesis 90 Credit Part 2	45	C 203.871
203.870	Research Report	60	

Geography

Part One (at least 60 credits)

At least 60 credits from:

145.702	Advanced Field Techniques in Geomorphology	30	P Graduate status
145.704	Advanced Quaternary Biogeography	30	P 145.320 or equivalent; Postgraduate status
145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status, plus one from 145.303, 145.304, 145.327 or equivalent
233.706	Environmental Geographical Information Systems	30	P Graduate status and PPD
233.707	Environmental Remote Sensing	30	P 233.301 or PPD, Graduate status

Subject papers:

145.701	Power and Geographic Knowledge	30	P Graduate status
145.706	Historical Geography	30	P Graduate status
145.707	Economic Geography	30	P Graduate status
145.710	Consumption and Place	30	P Graduate status
145.798	Research Report	60	P Graduate status
145.799	Research Report	30	P Graduate status

Part Two

120 credits from:

145.899	Thesis	120	
145.897	Thesis 120 Credit Part 1	60	
145.898	Thesis 120 Credit Part 2	60	C 145.897

OR

At least 60 credits from:

145.875	Thesis	90	
145.871	Thesis 90 Credit Part 1	45	
145.872	Thesis 90 Credit Part 2	45	C 145.871
145.870	Research Report	60	

Horticultural Science

Part One (at least 60 credits)

At least 15 credits from:

119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750

Subject papers:

122.703	Gene Expression	30	P Graduate status and PPD
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
161.772	Multivariate Analysis for Researchers	15	P Graduate status and PPD; R 161.323
171.798	Research Report MSc	30	P Graduate status and PPD
283.707	Plant Breeding	30	P Graduate status and PPD; R 171.742
283.785	Special Topic	15	P Graduate status and PPD
283.786	Special Topic	30	P Graduate status and PPD
284.701	Vegetable Crop Science	30	P Graduate status and PPD; R 171.724, 284.702
284.702	Fruit Science	30	P Graduate status and PPD; R 171.722, 284.701
284.741	Post-harvest Physiology	30	P Graduate status and PPD; R 171.749
285.711	Integrated Pest Management	30	P Graduate status and PPD; R 171.763
285.742	Advanced Plant Protection	30	P 285.301, 283.311 or PPD; R 283.741, 285.711, 285.701

Part Two

120 credits from:

171.899	Thesis	120	P Graduate status and PPD
171.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
171.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 171.897

OR

At least 60 credits from:

171.875	Thesis	90	
171.871	Thesis 90 Credit Part 1	45	
171.872	Thesis 90 Credit Part 2	45	C 171.871
171.887	Research Report	60	

Human Nutrition

Part One (at least 60 credits)

Compulsory papers (30 credits):

151.708	Nutritional Research Methods	15	P Graduate status and PPD
151.709	Biometrics for the Animal and Nutritional Sciences	15	P Graduate Status and PPD

Subject papers:

151.707	Food Technology/Nutrition Interface	15	P Graduate status and PPD
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151.712	Special Topic	15	P Graduate status and PPD
151.713	Special Topic	30	P Graduate status and PPD
151.715	Advanced Sports Nutrition	15	P 151.332 or other approved background, Graduate status and PPD
151.716	Advanced Nutrition and Disease	15	P 151.333; Graduate status and PPD; R 151.714
151.717	Selected Topics in Public Health Nutrition	15	P Graduate status and PPD
151.718	Advanced Topics in Macronutrient Nutrition	15	P Graduate status and PPD; R 151.701, 151.742
151.719	Advanced Topics in Micronutrient Nutrition	15	P Graduate status and PPD; R 151.701, 151.742

Part Two

120 credits from:

151.899	Thesis	120	
151.897	Thesis 120 Credit Part 1	60	
151.898	Thesis 120 Credit Part 2	60	C 151.897

OR

At least 60 credits from:

151.875	Thesis	90	
151.871	Thesis 90 Credit Part 1	45	
151.872	Thesis 90 Credit Part 2	45	C 151.871
151.870	Research Report	60	

Industrial Mathematics and Statistics

Part One (at least 60 credits)

At least 30 credits from:

160.784	Industrial Mathematics Project	30	P A major in Mathematics or Statistics including at least one paper above 100 level in each of these subjects.
161.784	Industrial Statistics Project	30	P A major in Mathematics or Statistics and second-year study in both.

At least 30 credits from:

160.715	Advanced Computational Methods	15	P Graduate status and PPD
160.733	Methods of Applied Mathematics	15	P Graduate status and PPD
160.734	Studies in Applied Differential Equations	15	P Graduate status and PPD
160.739	Studies in Applied Mathematics	15	P Graduate status and PPD

Subject papers (maximum 30 credits):

161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
161.772	Multivariate Analysis for Researchers	15	P Graduate status and PPD; R 161.323
161.773	Regression for Researchers	15	P Graduate status and PPD; R 161.320

Subject papers:

Papers at 700 level from the 161.70x, 161.72x, 161.74x range

Part Two

120 credits of either 160.8xx or 161.8xx papers from:

160.899	Thesis	120	P Graduate status and PPD
160.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
160.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 160.897
161.899	Thesis	120	P Graduate status and PPD
161.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
161.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 161.897

OR

At least 60 credits of either 160.8xx or 161.8xx papers from:

160.875	Thesis	90	
160.871	Thesis 90 Credit Part 1	45	
160.872	Thesis 90 Credit Part 2	45	C 160.871
160.870	Research Report	60	
161.875	Thesis	90	
161.871	Thesis 90 Credit Part 1	45	
161.872	Thesis 90 Credit Part 2	45	C 161.871
161.893	Research Report	60	

Mathematical Physics

Part One (at least 60 credits)

Compulsory papers (60 credits):

124.721	Quantum Mechanics and Group Theory	15	P Graduate status and PPD
124.722	Relativistic Quantum Mechanics and Field Theory	15	P Graduate status and PPD
160.725	General Relativity	15	P Graduate status and PPD
160.737	Studies in Mathematical Physics	15	P Graduate status and PPD

Subject papers:

Papers at 700-level from the 124 and 160 prefixes.

Part Two

120 credits of either of either 124.8xx or 160.8xx papers from:

124.899	Thesis	120	P Graduate status and PPD
124.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
124.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 124.897
160.899	Thesis	120	P Graduate status and PPD
160.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
160.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 160.897

OR

At least 60 credits of either 124.8xx or 160.8xx papers from:

124.875	Thesis	90	
124.871	Thesis 90 Credit Part 1	45	
124.872	Thesis 90 Credit Part 2	45	C 124.871
124.870	Research Report	60	
160.875	Thesis	90	
160.871	Thesis 90 Credit Part 1	45	
160.872	Thesis 90 Credit Part 2	45	C 160.871
160.870	Research Report	60	

Mathematics

Part One (at least 60 credits)

160.702	Advanced Algebra	15	P Graduate status and PPD
160.703	Advanced Analysis	15	P Graduate status and PPD
160.704	Studies in Theoretical Mathematics	15	P Graduate status and PPD
160.705	Studies in Discrete Mathematics	15	P Graduate status and PPD
160.715	Advanced Computational Methods	15	P Graduate status and PPD
160.725	General Relativity	15	P Graduate status and PPD
160.733	Methods of Applied Mathematics	15	P Graduate status and PPD
160.734	Studies in Applied Differential Equations	15	P Graduate status and PPD
160.737	Studies in Mathematical Physics	15	P Graduate status and PPD
160.738	Studies in Continuum Mechanics	15	P Graduate status and PPD
160.739	Studies in Applied Mathematics	15	P Graduate status and PPD
160.783	Mathematics Project	30	P Graduate status and PPD
160.791	Special Topic	15	P Graduate status and PPD
160.792	Special Topic	15	P Graduate status and PPD

Part Two

120 credits from:

160.899	Thesis	120	P Graduate status and PPD
160.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
160.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 160.897

OR

At least 60 credits from:

160.875	Thesis	90	
160.871	Thesis 90 Credit Part 1	45	
160.872	Thesis 90 Credit Part 2	45	C 160.871
160.870	Research Report	60	

Medical Laboratory Science

Part One (90 credits)

Compulsory papers:

202.781	Current Topics in Medical Laboratory Science	30	P Graduate status and PPD
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60 credits from:

152.742	Health Systems Management	30	P Graduate status; R 250.742
152.743	Health Policy	30	P Graduate status or PHOS; R 250.743
152.746	Contemporary Issues in Health Service Management	30	P Graduate status; R 250.746
231.701	Theory and Practice of Public Health	30	P Graduate status
247.790	Special Topic in Applied Statistics	15	P Graduate status and PPD
247.791	Special Topic in Data Analysis	15	P Graduate status and PPD
287.733	Quality Management for Medical Laboratories	30	P Graduate status and PPD; R 143.796

Part Two

202.889	Research Project	45	P Graduate status and PPD; R 202.789
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Microbiology

Part One (at least 60 credits)

Compulsory papers (60 credits):

162.704	Current Topics in Microbiology	30	P Graduate status and P PD; R 162.702
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750

Subject papers

162.703	Advanced Topics in Microbiology	30	P Graduate status and PPD
162.790	Special Topic	15	P Graduate status and PPD
162.791	Special Topic	30	P Graduate status and PPD
162.798	Research Report	30	P Graduate status and PPD
122.703	Gene Expression	30	P Graduate status and PPD
122.704	Molecular Cell Biology	30	P Graduate status and PPD
122.713	Advanced Topics in Biochemistry	15	P Graduate status and PPD
203.711	Advanced Topics in Molecular Genetics	30	P Graduate status and PPD
203.752	Computational Biology	15	P Graduate status and PPD; Bachelor's degree must include at least one 300-level paper in mathematics, statistics, biology, or computer science; R 162.751
203.761	Molecular Evolution	15	P Graduate status and PPD
203.797	Research Project in Molecular Biology	15	P Graduate status; R 120.799, 120.798, 122.798, 162.798. 203.798 in the same enrolment period.
247.712	Advanced Topics in Molecular Biology	30	P Graduate status and PPD

Part Two

120 credits from:

162.899	Thesis	120	P Graduate status and PPD
162.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
162.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD: C 162.897

OR

At least 60 credits from:

162.875	Thesis	90	
162.871	Thesis 90 Credit Part 1	45	
162.872	Thesis 90 Credit Part 2	45	C 162.871
162.870	Research Report	60	

Nanoscience

Part One (at least 60 credits)

Subject papers:

An approved selection of 700-level papers from the 122, 123, 124 prefixes.

Part Two

120 credits from:

236.899	Thesis	120	P Graduate status
236.897	Thesis 120 Credit Part 1	60	P Graduate status
236.898	Thesis 120 Credit Part 2	60	P Graduate status; C 236.897

At least 60 credits from:

236.875	Thesis	90	
236.871	Thesis 90 Credit Part 1	45	
236.872	Thesis 90 Credit Part 2	45	C 236.871
236.870	Research Report	60	

Nutrition and Dietetics

Part One (150 credits)

151.717	Selected Topics in Public Health Nutrition	15	P Graduate status and PPD
151.741	Research Methods and Statistics for Dietetics	15	P Selection into the MSc (Nutrition and Dietetics); R 151.708, 151.709
151.742	Nutrients for Health and Disease	15	P Selection into the MSc (Nutrition and Dietetics); R 151.718, 151.719
151.743	Foodservice Management	15	P Selection into the MSc (Nutrition and Dietetics)
151.744	Clinical Dietetics 1	15	P Selection into the MSc (Nutrition and Dietetics)
151.745	Clinical Dietetics 2	15	P 151.744
151.746	Communications in Dietetic Practice	15	C 151.750
151.750	Professional Dietetic Practice	45	P 151.744, 151.743, 151.717; C 151.746

Part Two (90 credits)

151.895	Thesis	90	
151.891	Thesis 90 Credit Part 1	45	P Selection into the MSc (Nutrition and Dietetics)
151.892	Thesis 90 Credit Part 2	45	P Selection into the MSc (Nutrition and Dietetics); C 151.891

Nutritional Science

Part One (at least 60 credits)

Compulsory papers (30 credits):

151.708	Nutritional Research Methods	15	P Graduate status and PPD
151.709	Biometrics for the Animal and Nutritional Sciences	15	P Graduate status and PPD

Subject papers:

151.704	Human Nutrition	15	P Graduate status and PPD; C 151.718 or 151.719
151.705	Ruminant Nutrition	15	P Graduate status and PPD
151.706	Monogastric Nutrition	15	P Graduate status and PPD

151.707	Food Technology/Nutrition Interface	15	P Graduate status and PPD
151.714	Advanced Human Nutrition	30	P 151.704, Graduate status and PPD; R 151.716, 151.721
151.715	Advanced Sports Nutrition	15	P 151.332 or other approved background. Graduate status and PPD
151.718	Advanced Topics in Macronutrient Nutrition	15	P Graduate status and PPD ; R 151.701, 151.742
151.719	Advanced Topics in Micronutrient Nutrition	15	P Graduate status and PPD; R 151.701, 151.742
151.721	Selected Topics in Nutrition and Disease	15	P 151.701. Graduate status and PPD; R 151.714
151.712	Special Topic	15	P Graduate status and PPD
151.713	Special Topic	30	P Graduate status and PAD
151.799	Research Report	30	

Part Two

120 credits from:

151.899	Thesis	120	P Graduate status and PPD
151.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
151.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 151.897

OR

At least 60 credits from:

151.875	Thesis	90	
151.871	Thesis 90 Credit Part 1	45	
151.872	Thesis 90 Credit Part 2	45	C 151.871
151.870	Research Report	60	

Physics

Part One (at least 60 credits)

Subject papers:

124.712	Condensed Matter Physics	15	P Graduate status and PPD
124.721	Quantum Mechanics and Group Theory	15	P Graduate status and PPD
124.722	Relativistic Quantum Mechanics and Field Theory	15	P Graduate status and PPD
124.761	Topics in Statistical Physics and Random Processes	15	P Graduate status and PPD
124.762	Chemical Physics	15	P Graduate status and PPD
124.791	Special Topic	15	P Graduate status and PPD
124.792	Special Topic	30	P Graduate status and PPD
124.798	Research Report	30	P Graduate status and PPD

Part Two

120 credits from:

124.899	Thesis	120	P Graduate status and PPD
124.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
124.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 124.897

OR

At least 60 credits from:

124.875	Thesis	90	
124.871	Thesis 90 Credit Part 1	45	
124.872	Thesis 90 Credit Part 2	45	C 124.871
124.870	Research Report	60	

Physiology

Part One (at least 60 credits)

At least 15 credits from:

119.728	Research Practice	15	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750

Subject papers:

194.703	Neurophysiology and Neuroendocrinology	30	P Graduate status and PPD
194.704	Reproductive Physiology	30	P Graduate status and PPD
194.705	Digestive Physiology	30	P Graduate status and PPD
194.707	Perinatal Physiology	30	P Graduate status and PPD
194.709	Conservation Endocrinology and Reproductive Biology	30	P Graduate status and PPD
194.731	Animal Welfare Science	30	P Graduate status and PPD
194.732	Advanced Cell Physiology	30	P Graduate status and PAD
194.791	Special Topic	30	P Graduate status and PPD
194.795	Special Topic	15	P Graduate status and PPD
194.799	Research Report	30	P Graduate status and PPD

Part Two

120 credits from:

194.899	Thesis MSc	120	P Graduate status and PPD
194.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
194.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 194.897

OR

At least 60 credits from:

194.875	Thesis	90	
194.871	Thesis 90 Credit Part 1	45	
194.872	Thesis 90 Credit Part 2	45	C 194.871
194.870	Research Report	60	

Plant Biology**Part One (at least 60 credits)**

Compulsory papers (60 credits):

162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750
120.713	Advanced Topics in Plant Biology	30	P Graduate status and PPD

Subject papers:

120.714	Botanical Evolution	15	P Graduate status and PPD; R 120.711
120.715	Advanced Topics in Evolutionary Genetics	30	P Graduate status
120.791	Special Topic	30	P Graduate status and PPD
120.793	Special Topic	15	P Graduate status and PPD
120.798	Research Report	30	P Graduate status and PPD
122.703	Gene Expression	30	P Graduate status and PPD
122.704	Molecular Cell Biology	30	P Graduate status and PPD
162.704	Current Topics in Microbiology	30	P Graduate status and PPD; R 162.702
203.711	Advanced Topics in Molecular Genetics	30	P Graduate status and PPD
203.752	Computational Biology	15	P Graduate status and PPD, Bachelor's degree must include at least one 300-level paper in mathematics, statistics, biology, or computer science; R 162.751
203.761	Molecular Evolution	15	P Graduate status and PPD
203.762	Genetic Analysis	30	P Graduate status and PPD
203.763	Phylogenetics	15	P Graduate status and PPD; Bachelor's degree must include at least one 300 level paper in mathematics, statistics or biology
203.797	Research Project in Molecular Biology	15	P Graduate status; R 120.799, 120.798, 122.798, 162.798, 203.798 in the same enrolment period
247.712	Advanced Topics in Molecular Biology	30	P Graduate status and PPD

Part Two

120 credits from:

120.899	Thesis	120	
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120.897	Thesis 120 Credit Part 1	60	
120.898	Thesis 120 Credit Part 2	60	C 120.897

OR

At least 60 credits from:

120.875	Thesis	90	
120.871	Thesis 90 Credit Part 1	45	
120.872	Thesis 90 Credit Part 2	45	C 120.871
120.870	Research Report	60	

Plant Breeding**Part One (at least 60 credits)**

At least 30 credits from:

119.728	Research Practice	15	P Graduate status and PPD
151.709	Biometrics for the Animal and Nutritional Sciences	15	P Graduate status and PPD
162.760	Research Methods and Communication in the Biosciences	30	P Graduate status and PPD; R 162.750

Subject papers (at least 30 credits):

283.707	Plant Breeding	30	P Graduate status and PPD; R 171.748
283.708	Quantitative Plant Breeding	30	P Graduate status and PPD; R 171.754
120.798	Research Report	30	P Graduate status and PPD
171.798	Research Report MSc	30	P Graduate status and PPD

Part Two

120 credits of either 120.8xx or 171.8xx papers from:

120.899	Thesis	120	
120.897	Thesis 120 Credit Part 1	60	
120.898	Thesis 120 Credit Part 2	60	C 120.897
171.899	Thesis	120	P Graduate status and PPD
171.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
171.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 171.897

OR

At least 60 credits of either 120.8xx or 171.8xx papers from:

120.875	Thesis	90	
120.871	Thesis 90 Credit Part 1	45	
120.872	Thesis 90 Credit Part 2	45	C 120.871
120.870	Research Report	60	
171.875	Thesis	90	
171.871	Thesis 90 Credit Part 1	45	
171.872	Thesis 90 Credit Part 2	45	C 171.871
171.887	Research Report	60	

Psychology**Part One (120 credits)**

Compulsory paper (15 credits):

175.738	Psychological Research: Principles of Design	15	
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Subject papers:

175.705	Applied Behaviour Analysis	15	P Graduate status
175.718	Postmodernism and Psychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.719	Applied Criminal Psychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.720	Advanced Psychology of Women	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.

175.721	Child and Family Therapy	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.722	Principles of Clinical Neuropsychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.725	Advanced Social Psychology	30	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.729	Psychology and Culture	15	P Graduate status
175.730	Professional Practice in Psychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.732	Psychological Well-being in Organisations	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.733	Culture at Work	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.734	Child Clinical Neuropsychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.737	Occupational Psychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.739	Health Psychology: Understanding Health and Illness	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry; R 15.726
175.740	Occupational Health Psychology	15	P Graduate status
175.741	Psychological Assessment in Organisations	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.743	Health Psychology: The Social Context	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.744	Health Psychology: Promoting Health	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.746	Psychological Research: Multivariate Data Analysis	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.747	The Psychology of Sport and Exercise	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.748	The Psychology of Organisational Change	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.749	Health Psychology Practicum	15	P at least two of 175.744, 175.743, 175.739; PHOS
175.751	Neuropsychological Rehabilitation	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.761	Theory and Practice of Cognitive Behaviour Therapy	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.879	Health Psychology Practicum	30	P at least two of 175.744, 175.743, 175.739; PHOS

Part Two (120 credits)

175.899	Thesis	120
175.894	Thesis 120 Credit Part 1	60

175.896	Thesis 120 Credit Part 2	60	C 175.894
175.895	Thesis Part I	30	
175.898	Thesis	90	
175.892	Thesis 90 Credit Part 1	45	
175.893	Thesis 90 Credit Part 2	45	C 175.892

Psychology with endorsement in Health Psychology**Part One (120 credits)**

Compulsory papers:

175.730	Professional Practice in Psychology	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.738	Psychological Research: Principles of Design	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry; R 175.702
175.739	Health Psychology: Understanding Health and Illness	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry; R 175.726
175.743	Health Psychology: The Social Context	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.744	Health Psychology: Promoting Health	15	P Graduate status. Selection criteria apply. Prospective students must apply to the School of Psychology for entry.
175.749	Health Psychology Practicum	15	P at least two of 175.744, 175.743, 175.739; R175.879

Subject papers (15 credits):

An approved selection from the 175 prefix.

Part Two (120 credits)

175.899	Thesis	120	
175.894	Thesis 120 Credit Part 1	60	
175.896	Thesis 120 Credit Part 2	60	C 175.894

Soil Science**Part One (at least 60 credits)**

Subject papers:

119.710	Nutrient Management in Grazed Pasture Systems	30	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management (or PPD).
119.711	Nutrient Management in Arable Systems	15	P A degree in Science or Applied Science in the area of Agriculture or Natural Resource Management (or PPD).
189.752	Advanced Soil Fertility	30	P 189.362 or PPD, Graduate status
189.753	Soil and Land Evaluation	30	P 189.364 or PPD, Graduate status
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status
189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
189.785	Special Topic	15	P Graduate status and PPD
189.786	Special Topic	30	P Graduate status and PPD
189.798	Research Report	30	P Graduate status and PPD
233.701	Advanced Pedology	30	P 189.364 or PPD
233.702	Advanced Quaternary Geology	30	P Graduate status and PPD
233.705	Volcanology and Tephrochronology	30	P Graduate status and PPD
233.706	Environmental Geographical Information Systems	30	P Graduate status and PPD
233.707	Environmental Remote Sensing	30	P 233.301 or PPD, Graduate status
233.708	Geochemistry	30	P Graduate status and PPD

Part Two

120 credits from:

189.899	Thesis	120	P Graduate status and PPD
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189.895	Thesis 120 Credit Part 1	60	P Graduate status and PPD
189.896	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 189.895

OR

At least 60 credits from:

189.875	Thesis	90	
189.871	Thesis 90 Credit Part 1	45	
189.872	Thesis 90 Credit Part 2	45	C 189.871
189.887	Research Report	60	

Statistics**Part One (at least 60 credits)**

Compulsory paper (15 credits):

161.705	Advanced Statistical Inference	15	P Graduate status and PPD
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Subject papers:

161.702	Theory of Linear Models	15	P Graduate status and PPD
161.704	Bayesian Statistics	15	P Graduate status and PPD
161.709	Topic in Statistical Theory	15	P Graduate status and PPD
161.721	Design and Analysis of Experiments	15	P Graduate status and PPD
161.723	Theory of Multivariate Statistics	15	P Graduate status and PPD
161.724	Statistical Data Mining	15	P 161.324 or 161.777, Graduate status and PPD
161.725	Statistical Quality Control	15	P Graduate status and PPD
161.726	Extensions to the Linear Model	15	P Graduate status and PPD
161.728	Contingency Table Analysis	15	P Graduate status and PPD
161.729	Topics in Applied Statistics	15	P Graduate status and PPD
161.742	Time Series Analysis	15	P Graduate status and PPD; R 161.774
161.743	Statistical Reliability and Survival Analysis	15	P Graduate status and PPD
161.749	Topics in Applied Probability	15	P Graduate status and PPD
161.770	Statistical Consulting	15	P Graduate status and PPD
161.778	Biostatistics for Researchers	15	P Graduate status and PPD; R 161.331
161.780	Statistical Analysis Project	15	P Completion of a brief proposal, approval of topic, and PPD
161.782	Statistical Analysis Report	30	P Completion of a brief proposal, approval of topic, and PPD
161.790	Special Topic	15	P Graduate status and PPD
161.791	Special Topic	15	P Graduate status and PPD

Subject papers (maximum 15 credits):

161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
161.772	Multivariate Analysis for Researchers	15	P Graduate status and PPD; R 161.323
161.773	Regression for Researchers	15	P Graduate status and PPD; R 161.320

161.774	Time Series for Researchers	15	P Graduate status and PPD; R 161.342
161.775	Sample Surveys	15	P Graduate status and PPD; R 161.322
161.776	Statistical Modelling for Researchers	15	P One of 161.200 – 161.240
161.777	Practical Data Mining	15	P Graduate status and PPD; R 161.223 and 161.324

Part Two

120 credits from:

161.899	Thesis	120	P Graduate status and PPD
161.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
161.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 161.897

OR

At least 60 credits from:

161.875	Thesis	90	
161.871	Thesis 90 Credit Part 1	45	
161.872	Thesis 90 Credit Part 2	45	C 161.871
161.893	Research Report	60	P Graduate status and PPD

Zoology**Part One (At least 60 credits)**

At least 60 credits from

199.714	Animal Behaviour	30	P Graduate status and PPD
199.717	Entomology	30	P Graduate status and PPD
199.718	Biogeography and Systematics	30	P Graduate status and PPD

Subject papers:

194.709	Conservation Endocrinology and Reproductive Biology	30	P Graduate status and PPD
199.791	Special Topic	30	P Graduate status and PPD
199.798	Research Report	30	P Graduate status and PPD

Up to 30 credits at 700-level papers from the 194, 196, 232 prefixes

Part Two

120 credits from:

199.899	Thesis	120	P Graduate status and PPD
199.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
199.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 199.897

OR

At least 60 credits from:

199.875	Thesis	90	
199.871	Thesis 90 Credit Part 1	45	
199.872	Thesis 90 Credit Part 2	45	C 199.871
199.870	Research Report	60	

The Degree of Master of Social Work

MSW

Course Regulations**Part I**

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II**Eligibility**

- Before enrolling in the course for the degree of Master of Social Work candidates shall have qualified for admission to the degree of Bachelor of Social Work or Bachelor of Social Work with Honours from this University or shall have qualified for admission to a Bachelor's degree in

social sciences or have been admitted with equivalent status as entitled to proceed to the degree of Master of Social Work

Course Requirements

- Candidates shall follow an approved course of study comprising papers to the value of 120 credits, including 179.702, plus a thesis (179.899, or 179.816 and 179.817) to the value of 120 credits, or papers to a value of 150 credits, including 179.702 plus a thesis (179.898, or 179.896 and 179.897) to the value of 90 credits.

Four papers shall be selected from the following list:

179.702	Advanced Research Methods	30
179.720	Spirituality and Social Work	30

179.722	Social Work with Migrants, Refugees and Asylum Seekers	30	
179.736	Substance Misuse and Addictions	30	R 179.774 (2005)
179.740	Social Service Supervision: Theory and Practice	30	
179.761	Current Issues and Theories in Social Service Practice	30	
179.763	Clinical Practice	30	
179.771	Child Welfare	30	
179.772	Family Practice	30	
179.773	Disability Studies	30	
179.777	Disability, Consumer Rights and Advocacy	30	
179.778	Mental Health and Social Work	30	

179.783	Maori Development and the Social Services	30	
279.703	Social Policy Studies	30	R 179.704
179.816	Thesis 120 Credit Part 1	60	P 179.702
179.817	Thesis 120 Credit Part 2	60	P 179.702; C 179.816
179.896	Thesis 90 Credit Part 1	45	P 179.702
179.897	Thesis 90 Credit Part 2	45	P 179.702
179.898	Thesis	90	P 179.702
179.899	Thesis	120	P 179.702

Concession

- Candidates with a 480 credit social work degree (with First Class Honours or Second Class Honours (Division One) or equivalent) or with a completed social work Postgraduate Diploma with Distinction may be exempt for up to 90 credits in course work with the approval of the Head of School.

The Degree of Master of Specialist Teaching MSpecTchg

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Specialist Teaching requires that the candidate will meet the University admission requirements as specified; and shall have:
 - been awarded or qualified for any degree of a New Zealand university with a B grade average across the 300 level papers, or equivalent; and
 - been awarded or qualified for a relevant professional qualification; and
 - have completed at least two years of relevant professional experience;
 or will have:
 - been awarded or qualified for the Postgraduate Diploma in Specialist Teaching or equivalent, with at least a B grade average.
- In all cases candidates will be required to:
 - be selected on the basis of a selection process which may include written application, interview, referee reports and practical exercises; and
 - meet requirements equivalent to those set down by the New Zealand Teachers Council for registration as a teacher in terms of character and fitness to be a teacher, and will:
 - hold current New Zealand Professional Registration; or
 - be required to undergo police vetting prior to gaining entry into the programme.
- All candidates whose first language is not English, who have not gained a New Zealand university entrance qualification or an overseas entrance qualification in a country where the main language is English, will be required to provide evidence of their proficiency in English in the form of an academic IELTS (International English Language Testing System) score of 7.0 with no band less than 7.0 or other evidence that is acceptable to Academic Board.

Qualification Requirements

- Candidates for the Master of Specialist Teaching shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - completion of Part One and Part Two as detailed in the Schedule for the Qualification; and including
 - any compulsory papers as listed in the Schedule for the Qualification.

- Notwithstanding Regulation 4, the course of study for candidates admitted under Regulation 1(d) will be at least 120 credits including:
 - Part Two as detailed in the Schedule for the Qualification; and
 - At least 75 credits at 700-level from papers listed in the Schedule for the Qualification, including 249.770.
- Where a paper listed in the Schedule for the Qualification is substantially similar to a paper that has been completed as part of the Postgraduate Diploma considered for entry under Regulation 1d), the listed paper may not be included in the candidate's course of study.

Specialisations

- The requirements for each subject are set out in the Schedule for the Qualification.
- Subject specialisations available for the Master of Specialist Teaching are: Autism Spectrum Disorder, Blind and Low Vision, Complex Educational Needs, Gifted and Talented, Learning and Behaviour.
- A candidate admitted under Regulation 1(d) will complete the Master of Specialist Teaching without a specialisation.

Student Progression

- In cases of sufficient merit, the Master of Specialist Teaching may be awarded with distinction or merit.
- For progression to Part Two of the Master of Specialist Teaching candidates must have maintained a grade average of at least a B over the first 120 credits undertaken for Part One.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Specialist Teaching or the Postgraduate Diploma in Specialist Teaching, should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transition Regulations

- All candidates who commenced study towards the Master of Specialist Teaching on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
- Candidates who commenced study towards the Master of Specialist Teaching prior to 1 January 2015 may choose to transfer to these regulations, but must satisfy all requirements as specified.
- Candidates who have completed fewer than 90 credits, as at 1 January 2015, must transfer to the new Master of Specialist Teaching regulations.

18. Candidates who have completed 90 credits or more, may continue under the previous Master of Specialist Teaching regulations but must complete by the end of 2017.

Schedule for the Qualification

Part One (135 credits)

Compulsory papers (45 credits)

254.765	Core Theory and Foundations of Specialist Teaching	30	
249.770	Supervision and Mentoring in Specialist Teaching	15	

Subjects

Autism Spectrum Disorder (90 credits)

249.745	Theory and Foundations of Autism Spectrum Disorder	30	
249.749	Evidence-based Interprofessional Practice in Autism Spectrum Disorder	30	P 249.745, 254.765
249.750	Practicum in Autism Spectrum Disorder	30	P/C 249.749

Blind and Low Vision (90 credits)

249.700	Braille Proficiency	0	
249.746	Theory and Foundations of Blind and Low Vision Education	30	
249.751	Evidence-based Interprofessional Practice in Blind and Low Vision Education	30	P 249.746, 254.765
249.752	Practicum in Blind and Low Vision Education	30	P/C 249.751

Complex Educational Needs (90 credits)

249.760	Theory and Foundations of Complex Educational Needs	30	P 249.760, 254.765
249.761	Evidence-based Interprofessional Practice in Complex Educational Needs	30	
249.763	Practicum in Complex Educational Needs	30	P/C 249.761

Gifted and Talented (90 credits)

262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749
262.752	Evidence-based Interprofessional Practice in Gifted and Talented Education	30	P 254.765, 262.751
262.753	Practicum in Gifted and Talented Education	30	P/C 262.752

Learning and Behaviour (90 credits)

249.753	Theory and Foundations of Learning and Behaviour Diversity	30	
249.754	Evidence-based Interprofessional Practice in Learning and Behaviour Diversity	30	P 249.753, 254.765
249.755	Practicum in Learning and Behaviour Diversity	30	P/C 249.754

Part Two (45 credits)

267.875	Professional Inquiry in Specialist Teaching	45	
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The Degree of Master of Speech and Language Therapy MSpchLangTher

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the degree shall be subject to the approval of the Academic Board. Relevance and standard of undergraduate studies will be criteria for approval.
- Before enrolling in the Master of Speech and Language Therapy, a candidate shall:
 - have completed the degree of Bachelor of Speech and Language Therapy or Bachelor of Speech and Language Therapy with Honours or equivalent;
 - have been granted admission to postgraduate study and entitled to enrol in the Master of Speech and Language Therapy; and
 - have completed at least one year clinical experience in speech and language therapy.
 - be accepted as a candidate by the College Pro Vice-Chancellor or nominee.
- Candidates for the Master of Speech and Language Therapy shall normally be enrolled in the Postgraduate Diploma in Speech and Language Therapy in the first instance. Transfer into the Master of Speech and Language Therapy will be based on performance levels in the Postgraduate Diploma in Speech and Language Therapy. Students must maintain a B+ average for entrance into the Master of Speech and Language Therapy.
- A candidate may not be concurrently enrolled in any other Postgraduate Diploma or Master's degree.

Course of Study

- The course of study for a Master in Speech and Language Therapy shall comprise the following four compulsory 30 credit papers:

271.710	Evidenced-Based Practice in Speech and Language Therapy	30	R 186.710
271.711	Critical and Current Issues in Speech and Language Therapy	30	R 186.711
271.712	Theoretical Issues in Speech and Language Therapy	30	R 186.712
267.781	Research Methods in Professional Practice	30	R 186.713, 271.713

plus 271.810, or 271.809 and 271.809.

271.808	Thesis 120 Credit Part 1	60	R 186.810
271.809	Thesis 120 Credit Part 2	60	R 186.810; C 271.808
271.810	Thesis	120	R 186.810

- A candidate's course of study may not exceed six years, unless a period of suspension or extension is approved by the Academic Board. Extension of time by suspension of study for one year will be considered for students entering the degree with a Postgraduate Diploma of Speech and Language Therapy.
- Candidates admitted to the Masters who have been awarded the Postgraduate Diploma in Speech and Language Therapy shall follow a course of at least 120 points, which together with the qualifying course of study shall form a coherent programme of 240 points. For such candidates the Qualification Regulations for the Masters Degree shall be deemed to apply from the date of their enrolling in the Diploma. Students will be required to surrender their Postgraduate Diploma before being awarded the Master of Speech and Language Therapy.
- (a) The degree shall be awarded on the basis of the whole examination, which shall include the evaluation of the separate papers and of the thesis or research project, with the proviso that all components shall be at least of pass standard.

(b) At the discretion of the chief examiner, a failed thesis may be revised and re-submitted once and may be subject to re-examination.

Following successful re-examination the candidate will not be eligible for honours or distinction.

The Degree of Master of Sport and Exercise

MSpEx

Part I

Course Regulations

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Admission to the programme (240 credits) is open to students who have completed a Bachelor of Sport and Exercise or equivalent sport-related degree with at least an overall B grade average.
2. Admission to the programme (120 credits) by thesis is open to students who have completed a Bachelor of Sport and Exercise degree with Honours or an equivalent sport-related degree, or who have completed the Postgraduate Diploma in Sport and Exercise; with at least an overall B grade average.

Course Requirements

3. Candidates for the Master of Sport and Exercise shall follow a two-part course of study which shall consist of at least 240 approved credits, and include 15 or 30 credits in research methods together with a thesis of at least 90 credits.
4. Part One shall comprise 120 credits at the 700-level from the PGDipSpEx schedule.
5. Part Two shall comprise 120 credits. This shall be a thesis of 120 credits; or shall include a thesis of 90 credits; from the schedule of theses below.
6. Progression to Part Two will be conditional upon achievement of a B average in Part One.
 - (a) The course of study for candidates who have been awarded the degree of Bachelor of Sport and Exercise with Honours shall consist of an approved thesis of 120 credits.

- (b) The course of study for candidates who have been awarded the Postgraduate Diploma in Sport and Exercise shall consist of 120 approved credits. These must comprise either a thesis of 120 credits; or a thesis of 90 credits, together with a 15 credit research methods paper and one other 15 credit paper, or a 30 credit research methods paper.

Subjects

7. The subjects for the examination for the degree include the following: Exercise Prescription and Training, Exercise Science, Physical Education, Sport Coaching, and Sport Management.
8. Completion of a subject requires 90 credits at 700 level in accordance with the schedule for the Postgraduate Diploma in Sport and Exercise and completion of a thesis in the same subject area.
9. The Degree of Master of Sport and Exercise may be awarded without a subject.

Student Progression

10. In cases of sufficient merit, the MSpEx may be awarded with distinction or merit.

Schedule to the Degree of Master of Sport and Exercise

234.771	Research Methods in Sport and Exercise	15	P Graduate Status or permission of Programme Director
234.891	Thesis 90 Credit Part 1	45	
234.892	Thesis 90 Credit Part 2	45	
234.890	Thesis	90	
234.897	Thesis 120 Credit Part 1	60	
234.898	Thesis 120 Credit Part 2	60	
234.899	Thesis	120	

The Degree of Master of Sport Management

MSpMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Degree of Master of Sport Management requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for the Bachelor degree, or equivalent qualification, having achieved a grade average of at least a B- in the highest level papers; or,
 - (c) have been awarded or qualified for the Postgraduate Diploma in Sport Management or the Postgraduate Diploma in Sport and Exercise with an endorsement in Sport Management, having achieved a grade average of B.

Qualification Requirements

2. Candidates for the Degree of Master of Sport Management shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits comprising Part One and Part Two as defined by the Schedule to the Degree, and including:
 - (a) a Professional Practice paper of 60 credits;

- (b) any compulsory papers identified in the Schedule to the Degree;
 - (c) attending field trips, studios, workshops, tutorials, and laboratories as required.
3. Notwithstanding Regulation 2, the course of study for candidates admitted under regulation 1(c) will comprise 120 credits including:
 - (a) Part One: 152.707 and 152.752
 - (b) Part Two: 234.832.

Specialisation

4. The Degree of Master of Sport Management is awarded without Specialisation.

Student Progression

5. For progression from Part One to Part Two, candidates must have achieved a Grade Average of at least B over 120 credits of the Part One papers, including the compulsory papers.
6. In cases of sufficient merit, the Degree of Master of Sport Management may be awarded with a class of Honours.

Completion Requirements

7. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
8. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for progression

from Part One to Part Two, or who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Sport Management should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Master of Sport Management

Part I

Compulsory papers (120 credits):

152.707	Leading and Changing Organisations	30	P Graduate Status & PHOS; R 152.705, 152.709
152.752	Project Management	30	P Graduate Status & PHOS
234.731	Advanced Sport in the Social Context	30	P Graduate Status & PHOS
234.732	Advanced Sport Management	30	P Graduate Status & PHOS

Part II (60 credits)

234.832	Professional Practice in Sport Management	60	P Admission to Part Two of the MSpMgt
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The Degree of Master of Supply Chain Management MSCM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Supply Chain Management requires that the candidate shall have:
 - been awarded or qualified for a university Bachelor's degree with a major in Logistics and Supply Chain Management, or an equivalent qualification, having achieved a B+ grade average or higher, over the highest level papers; or
 - been awarded or qualified for a Bachelor's degree, having achieved a B grade average or higher, over the qualifying 300-level papers, and have completed a minimum of five years of relevant professional experience, or equivalent;
 - been awarded or qualified for a university Bachelor's degree with a major in Logistics and Supply Chain Management, or an equivalent qualification, having achieved a B+ grade average or higher, over the qualifying 300-level papers, and have completed a minimum of 5 years of relevant professional experience, or equivalent; or
 - been awarded or qualified for a four year Bachelor's degree with Honours with a major in Logistics and Supply Chain Management, or equivalent qualification(s), having achieved a B+ grade average or higher, over the highest level papers; or
 - been awarded or qualified for the Postgraduate Diploma in Logistics and Supply Chain Management, or an equivalent qualification, having achieved a B+ grade average or higher.
- In all cases candidates will be required to have met the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Master of Supply Chain Management shall follow a parts-based course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - completion of Part One and Part Two as defined by the Schedule of the Degree;
 - papers selected from the Schedule to the Degree; and including:
 - any Compulsory Papers listed in the Schedule to the Degree;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 3, the course of study for candidates admitted under Regulations 1(c) or 1(d) or 1(e) shall consist of papers totalling at least 120 credits, comprising:
 - 240.758 and Part Two only (thesis pathway) and including:

- attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Degree of Master of Supply Chain Management is awarded without specialisations.

Student Progression

- For progression from Part One to Part Two (thesis pathway), candidates must have achieved a Grade Average of A- or higher over the first 60 credits undertaken for Part One, which must include 240.752, 240.753 and one of 240.754, 240.756 or 240.757.
- For Progression from Part One to Part Two (professional pathway), candidates must have achieved a Grade Average of B- or higher over the first 60 credits undertaken for Part One, which must include 240.752, 240.753 and one of 240.754, 240.756 or 240.757.
- In cases of sufficient merit, candidates completing the thesis pathway may be awarded a class of Honours.
- In cases of sufficient merit, candidates completing the professional pathway may be awarded Distinction or Merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Diploma in Logistics and Supply Chain Management should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates who commence study towards the Master of Supply Chain Management on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
- Candidates who commenced study towards the Master of Logistics and Supply Chain Management prior to 2015, and who have successfully completed 30 credits toward the Masterate, may complete under the regulations as specified in the 2014 University Calendar.
- These transition regulations expire in 2016, and candidates who have not completed by the end of 2016 must satisfy the requirements as specified in these regulations.

Schedule for the Qualification

Part One

Qualification compulsory papers (90 credits):

240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752
240.753	Supply Chain Systems Analysis	15	P Graduate status and PAD

240.758	Research Methods in Supply Chain Management	30	P Graduate status
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and 15 credits from:

240.754	Supply Chain Optimisation	15	P Graduate status and PAD
240.756	Value Chain Management	15	P Graduate status
240.757	Logistics and Humanitarian Aid Projects	15	P Graduate status and PPD

Compulsory paper for professional pathway (30 credits)

240.755	Executive Supply Chain Management	30	P Graduate status and PAD; R 112.751
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Part Two

Thesis pathway (90 credits):

240.888	Thesis	90	P Graduate status, PHOS; R 240.887, 240.897, 240.898, 240.899
240.895	Thesis 90 Credit Part 1	45	P Graduate status, PHOS; R 240.887, 240.897, 240.898, 240.888, 240.899
240.896	Thesis 90 Credit Part 1	45	P Graduate status, PHOS; R 240.887, 240.897, 240.898, 240.888, 240.899

Professional pathway (60 credits):

240.887	Research Report	60	Graduate status and PAD
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The Degree of Master of Teaching and Learning MTchgLn

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Master of Teaching and Learning requires that the candidate will:
 - meet the University admission requirements as specified, and shall:
 - have been awarded or qualified for a Bachelor's degree of at least 360 credits from a New Zealand University with at least a B+ grade average across the 200- and 300-level papers, or equivalent; and
 - have demonstrated competence in literacy and numeracy; and
 - have achieved an Academic Version IELTS score of at least 7.5 with no component less than 7.0 within the preceding two years, if English is not the applicant's first language; and
 - meet the requirements for registration as set down by the New Zealand Teachers Council, in terms of in terms of good character and fitness to be a teacher; and
 - have been selected on the basis of a selection process which may include a written application, Police Vetting report, interview, referee reports and practical exercises.
- Admission to the Master of Teaching and Learning (Secondary Education) requires that candidates will:
 - meet the requirement specified in regulation 1; and shall:
 - have completed approved papers to New Zealand Qualifications Framework Level 7 or Level 8 in at least one subject that is appropriate for teaching the New Zealand Secondary School Curriculum.

Qualification Requirements

- Candidates for the Master of Teaching and Learning shall follow a fixed course of study, which shall consist of papers totalling at least 180 credits, comprising:
 - the core papers listed in Part I of the Schedule for the Qualification;
 - completion of a subject;
 - attending professional practice and community placements, field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- Candidates must complete a subject by passing at least 60 credits in that subject. The requirements for each subject are set out in Part B of the Schedule for the Qualification.
- The subjects available for the Master of Teaching and Learning are: Primary Education, Secondary Education.

Academic Requirements

- Every candidate for the Master of Teaching and Learning shall perform to the satisfaction of the Pro Vice-Chancellor or their delegate a total of

at least 900 hours of supervised professional practice and community placements, in accordance with the requirements of each paper.

Student Progression

- Massey University may cancel or refuse to permit the enrolment of a candidate in the Master of Teaching and Learning if, in the opinion of the University, a candidate is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a candidate in the Master of Teaching and Learning be convicted of an offence against the law after entry into the qualification, the candidate must advise the Pro Vice-Chancellor or their nominee of the conviction within seven days.
- If the Pro Vice-Chancellor or their nominee is of the opinion that any candidate does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the candidate's registration in the Master of Teaching and Learning programme will be cancelled.
- In cases of sufficient merit, the Master of Teaching and Learning may be awarded with Distinction or Merit.

Completion Requirements

- A Candidate's course of study may not exceed three years from date of first enrolment in a paper to be credited to Master of Teaching and Learning.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the timeframes prescribed in Regulation 12.

Unsatisfactory Academic Progress

- For candidates enrolled in the Master of Teaching and Learning the following will lead to exclusion from the qualification:
 - failure to obtain a pass in a paper in two successive attempts;
 - failure to pass papers totalling at least 90 academic credits, or failure to pass at least 50% of an approved part-time course of study in any academic year; or
 - failure to complete the Master of Teaching and Learning within three years from the date of first enrolment in a paper to be credited to the qualification.
- A person excluded under Regulation 14 will only be readmitted to the Master of Teaching and Learning with the approval of the Pro Vice-Chancellor or nominee. Such approval may be withheld or granted subject to conditions.

Schedule for the Master of Teaching and Learning

Schedule A Core papers (120 credits)

263.760	Pedagogy 1	30	
263.761	Pedagogy 2	30	P 263.760
263.860	Inquiry 1	30	
263.861	Inquiry 2	30	P 263.860

Schedule B Subject papers

Primary Education (60 credits)

278.760	Primary Curriculum 1	30	
278.761	Primary Curriculum 2	30	P 278.760

Secondary Education (60 credits)

260.760	Secondary Curriculum 1	30	
260.761	Secondary Curriculum 2	30	P 260.760

The Degree of Master of Teaching English to Speakers of Other Languages Leadership MTESOL Leadership

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling for the degree of Master of Teaching English to Speakers of Other Languages Leadership candidates shall:
 - have completed a university degree and have been granted admission to postgraduate study as entitled to proceed to the degree of Master of Teaching English to Speakers of Other Languages Leadership;
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.

Course of Study

- A candidate shall follow for not less than two calendar years a course of study comprising papers to a value of 240 credits:

257.766	Leading TESOL in Diverse Contexts	30	R 207.766
257.767	Current Issues and Innovations in TESOL Leadership	30	P/C 257.766, 259.772 or PHOS; R 207.767
257.769	Teaching Content to English Language Learners	30	R 207.769
272.701	Language Awareness and Language Issues	30	
272.702	The Second Language Learning Process	30	
272.703	The Methodology of Second Language Teaching	30	
272.704	Curriculum and Materials Design	30	P Graduate status and 272.703; C 272.703; R 172.704

Both

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

- Subject to the approval of the College Pro Vice-Chancellor or nominee, 30 credits of paper(s) from the above schedule may be replaced by another paper from the schedule for the Master of Education, Master of Educational Administration and Leadership, or the Master of Arts.
- The course of study for a candidate who is admitted under clause 5 or 6 may not exceed four years unless a period of suspension or extension is approved by Academic Board.

Concessions

- Candidates who have completed the Massey University Postgraduate Diploma of Second Language Teaching and who are eligible for admission to the MTESOL Leadership degree shall follow an approved course of study for not less than one year, consisting of at least 120 credits.
- Candidates who have completed at another institution a qualification that is approved as equivalent to the Massey University Postgraduate Diploma of Second Language Teaching and who are eligible for admission to the MTESOL Leadership degree shall follow an approved course of study for not less than one year, consisting of at least 120 credits.

Honours/Distinction

- Where a candidate has been granted concession under clause 5, the period of time between the completion of the qualifying course of study and the commencement of the MTESOL Leadership will be excluded from the completion time considered when determining honours eligibility. Such candidates must surrender the scroll awarded on completion of the qualifying course of study in order to be eligible for honours.
- A degree completed with concession under clauses 5 or 6 may be awarded with Distinction if it is completed at a superior standard (equivalent to First class Honours) within one year of first enrolling for full-time study or within three years of first enrolling for part-time study.

The Degree of Master of Technology MTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The Master of Technology shall consist of a minimum of 120 credits, comprising papers and/or research.
- The Master of Technology degree must include either 60 or 120 credits of research.
 - Papers for the degree will normally be those approved from the schedule which follows for the Degree of Master of Technology. Up to 30 credits may be approved from the 158.7xx series.

Subjects and Endorsements

- The subject in which a candidate will enrol for the degree of Master of Technology will be specified at the time that the course of study is approved, and will normally follow the name of a major in the Bachelor of Technology (Honours) degree and will form part of the name of the degree received by the candidate at graduation.

Schedule to the Degree of Master of Technology

119.728	Research Practice	15	P Graduate status and PPD
228.895	Research Report	60	P Graduate status and PPD
228.897	Thesis 120 Credit Part 1	60	P Graduate status and PPD
228.898	Thesis 120 Credit Part 2	60	P Graduate status and PPD; C 228.897
228.899	Thesis	120	P Graduate status and PPD

Notes

- Other postgraduate papers from Schedules within the College of Sciences may be taken, subject to the approval of the Programme Director (Engineering and Technology).

- The selection of papers must be recommended for approval by the Postgraduate Subject Leader to the Programme Director (Engineering and Technology).

- There may be a limitation on the type of research approved for Research Projects or Theses, depending upon the resources available.

The Degree of Master of Veterinary Medicine

MVM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Master of Veterinary Medicine requires that the candidate will:
 - meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Veterinary Science or a veterinary degree considered by the Academic Board to be equivalent to the Massey University Bachelor of Veterinary Science.

Qualification Requirements

- Candidates for the Degree of Master of Veterinary Medicine shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - papers selected from the Schedule to the Qualification;
 - at least 45 credits from Schedule C for the Qualification;
 - any compulsory papers identified in the Schedule to the Qualification.

Specialisations

- The Degree of Master of Veterinary Medicine may be awarded with or without a subject.
- Candidates may complete a subject by passing at least 90 credits in a subject including a research or professional practice paper from Schedule C. The requirements for each subject are set out in Schedule A for the Qualification. Candidates must undertake research projects or practica that align with the focus of the subject. Approved subjects are: Companion Animal, Companion Animal Surgery, Production Animal, Equine, Veterinary Business Administration.

Student Progression

- In cases of sufficient merit, the Degree of Master of Veterinary Medicine may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science (PGCertSc) should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Master of Veterinary Medicine on or after 1 January 2014 must satisfy the requirements specified in these regulations.
- All candidates who commenced study towards the Master of Veterinary Medicine, Postgraduate Diploma in Veterinary Science, or Postgraduate Certificate in Veterinary Science prior to 2014, and who have passed at least 15 credits toward the Master of Veterinary Medicine, may complete under the Master of Veterinary Medicine regulations in the 2013 Massey University Calendar (or earlier regulations) until the end of the 2016 academic year.

- Candidates who commenced study towards the Master of Veterinary Medicine in 2013 or earlier may choose to transfer to the new regulations, but must satisfy all requirements specified in these regulations.
- Candidates who commenced study towards the Master of Veterinary Medicine, Postgraduate Diploma in Veterinary Science, or Postgraduate Certificate in Veterinary Science prior to 2013, but who have not completed the Master of Veterinary Medicine by the end of the 2016 academic year, will not be permitted to complete under the previous regulations and will be required to transfer to the new regulations from 2017.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule for the Qualification

Schedule A: Subjects

Companion Animal

118.751	Canine and Feline Gastroenterology	15	R 195.751	
118.752	Canine and Feline Endocrinology	15		P Degree in Veterinary Science registerable in NZ or other veterinary qualifications as specifically approved by the Director of the MVM programme R 195.752
118.753	Canine and Feline Oncology	15	R 195.753	
118.754	Diagnostic Imaging for Small Animal Veterinarians	15	R 195.754	
118.755	Clinical Pathology in Small Animal Practice	15	R 195.755	
118.756	Canine and Feline Neurology	15	P PPD R 195.756	
118.757	Cardiorespiratory Medicine for Small Animal Veterinarians	15	R 195.757	
118.758	Avian Medicine	15	R 195.758	
118.759	Ophthalmology in Small Animal Practice	15	P PPD R 195.759	
118.761	Canine and Feline Emergency Medicine	15		P Degree in Veterinary Science registerable in NZ or other veterinary qualifications as specifically approved by the Director of the MVM programme
118.762	Dermatology for Small Animal Veterinarians	15		P Degree in Veterinary Science registerable in NZ or other veterinary qualifications as specifically approved by the Director of the MVM programme
118.763	Canine and Feline Orthopaedic Surgery	15	P PPD	
118.764	Canine and Feline Soft Tissue Surgery	15		
118.777	Veterinary Clinical Reproduction and Fertility	15	R 117.767	

Companion Animal Surgery

Compulsory papers (30 credits):

118.763	Canine and Feline Orthopaedic Surgery	15	P PPD	
118.764	Canine and Feline Soft Tissue Surgery	15		

Endorsement papers:

118.753	Canine and Feline Oncology	15	R 195.753	
118.754	Diagnostic Imaging for Small Animal Veterinarians	15	R 195.754	
118.756	Canine and Feline Neurology	15	P PPD; R 195.756	

118.759	Ophthalmology in Small Animal Practice	15	P PPD; R 195.759
118.761	Canine and Feline Emergency Medicine	15	P Degree in Veterinary Science registrable in NZ or other veterinary qualifications as specifically approved by the Director of the MVM programme

Equine

118.777	Veterinary Clinical Reproduction and Fertility	15	R 117.767
118.778	Advanced Studies in Equine Lameness for Veterinarians	15	P PPD
118.779	Advanced Studies in Equine Diagnostic Imaging	15	P PPD
118.780	Equine Gastroenterology	15	P PPD

Production Animal

118.771	Advances in Ruminant Nutrition for Veterinarians	15	R 151.705, 117.761
118.772	Calf Medicine, Health and Management	15	
118.775	Advanced Mastitis Management for the Production Animal Veterinarian	15	
118.776	Lameness Investigation and Control for Cattle Veterinarians	15	
118.777	Veterinary Clinical Reproduction and Fertility	15	R 117.767

Veterinary Business Administration

118.781	Marketing Management for Veterinary Practice	15	R 115.726
118.782	Introductory Accounting for Veterinary Practice	15	R 115.723
118.783	People Management for Veterinary Practice	15	R 115.725
118.784	Mediation and Dispute Resolution for Veterinary Practice	15	R 115.739
115.726	Marketing	15	
115.723	Accounting I	15	
115.725	Leadership and People	15	
115.739	Special Topic I	15	

Schedule B: Elective Papers

118.785	Principles of Veterinary Epidemiology	15	P PPD; R 118.720, 118.715 and 118.815
118.786	Applied Veterinary Epidemiology	15	P 118.743, PPD; R 118.720, 118.715 and 118.815

Schedule C: Research Papers

118.851	Research Report (MVM) (45 credit)	45	P 30 credits from the 118.7xx range
118.852	Research Report (MVM) (60 credit)	60	P 30 credits from the 118.7xx range
118.853	Advanced Professional Practice in Veterinary Medicine	45	P(B) 30 credits from the 118.7xx range

The Degree of Master of Veterinary Medicine (Biosecurity) MVM(Biosecurity)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Entry Requirements

Candidates for the Degree of Master of Veterinary Medicine (Biosecurity) shall have completed a recognised veterinary or medical degree programme.

Course Requirements

The course shall consist of a minimum of 120 credits. These credits must be accumulated through successful completion of eight papers from the schedule, below.

Endorsement

This Master of Veterinary Medicine degree will be identified with an endorsement in "Biosecurity".

Schedule for the Degree of Master of Veterinary Medicine

195.740	A Population Basis for Measuring Health	15	
195.741	Epidemiological Techniques for Disease Investigation	15	
195.742	Disease Surveillance and Diagnostic Testing	15	
195.743	Principles of Disease Control and Management	15	
195.744	Risk and Decision-making During Disease Outbreaks	15	
195.745	The Interface of Human and Animal Disease	15	P A relevant Veterinary or Medical Degree of at least 4 years duration, 195.740, 195.741, 195.742, 195.743 R 195.748, 195.749
195.746	Public Policy in the Context of Disease Management	15	
195.747	The Economics of Animal Disease Control	15	
195.748	Wildlife Disease Epidemiology	15	P 195.740, 195.741, 195.742, 195.743; R 195.745
195.749	Ecosystem Factors and Disease	15	P 195.740, 195.741, 195.742, 195.743; R 195.745

The Degree of Master of Veterinary Science MVSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Entry Requirements

- Candidates for the Degree of Master of Veterinary Science shall have completed a veterinary degree.

Course Requirements

2. (a) Candidates who have completed a Massey University BVSc, or a veterinary qualification that can be registered by the New Zealand Veterinary Council and is considered by the Academic Board to be equivalent to the Massey University BVSc, or a Postgraduate Diploma in an area of Veterinary Science, shall complete an MVSc programme consisting of a Research Methods paper of 15 credits and a thesis to the value of 120 credits in some branch of Veterinary Science.
- (b) Veterinary graduates who do not meet the requirements in 2(a) shall complete an MVSc programme consisting of papers to the value of 120 credits and a thesis to the value of 120 credits.

Endorsement

3. The Degree of Master of Veterinary Science may be awarded with endorsement identifying the veterinary field in which the candidate undertook study for the degree. The endorsement will be specified at the time of the course approval by Academic Board and form part of the name of the degree received by the candidate at graduation.

Schedule to the Degree of Master of Veterinary Science

Notes

1. Papers shall be selected from the 118.7xx, 118.8xx, series and any other papers deemed appropriate by the Graduate Subject Adviser.
2. The selection of papers must be approved by the Academic Programme Director or equivalent.

Physiology and Anatomy

An approved selection of papers at 700- and 800-level from those listed for Physiology and Anatomy in the Schedule of Papers in the University Calendar and a thesis. The thesis shall be not less than 120 credits.

Veterinary Pathology and Public Health

An approved selection of papers at 700- and 800-level from those listed for Veterinary Pathology and Public Health in the Schedule of Papers in the University Calendar and a thesis. The thesis shall be not less than 120 credits.

Veterinary Clinical Sciences

An approved selection of papers at 700- and 800-level from those listed for Veterinary Clinical Sciences in the Schedule of Papers in the University Calendar and a thesis. The thesis shall be not less than 120 credits.

The Degree of Master of Veterinary Studies

MVS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. The course shall consist of a minimum of 240 credits selected from the 118.7xx, 118.8xx, 117.7xx, 117.8xx, 194.7xx, and 194.8xx, or equivalent level courses offered by the University and approved by Academic Board for inclusion in the course of specific candidates. The courses undertaken must include a dissertation (60 credits) or a thesis embodying the results of original research (120 credits). At least one of the courses shall be an 800-level course (dissertation, thesis or advanced study course).

Endorsement

2. The Degree of Master of Veterinary Studies may be awarded with an endorsement identifying the veterinary field in which the candidate undertook study for the degree. The endorsement will be specified at the time the course of study is approved by Academic Board and will form part of the name of the degree received by the candidate at graduation.

The following endorsements are available: Epidemiology, Veterinary Pathology, Veterinary Public Health.

Epidemiology

118.715	Epidemiologic Methods 1	30	P Graduate status and PPD; R 118.720 and 195.720
118.716	Analysis of Epidemiologic Data 1	30	R 118.721 and 195.721
118.717	Analysis of Epidemiologic Data 2	30	C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper; R 118.721 and 195.721
118.718	Management of Biological Production Systems	30	P Graduate status and PPD; C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper; R 118.722 and 195.722
118.815	Epidemiologic Methods 2	30	P Graduate status and PPD; C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper. R 118.721 and 195.721

118.816	Advanced Analysis of Epidemiologic Data 1	30	C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper; R 118.821 and 195.821
118.817	Advanced Analysis of Epidemiologic Data 2	30	C Candidates must be enrolled in 118.715, 118.716 and 118.717, or be exempt, while taking this paper; R 118.821 and 195.821
118.819	Biosecurity Methods	30	P Graduate status and PPD; C 118.715 and 118.716 or students exempt by the paper coordinator from completing both these papers
118.811	Research Report	60	P Graduate status and PPD

Or

118.897	Thesis 120 Credit Part 1	60	P PPD and Graduate status
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And

118.898	Thesis 120 Credit Part 2	60	P PPD and Graduate status; C 118.897
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Or

118.899	Thesis	120	P PPD and Graduate status
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Veterinary Pathology

118.724	Veterinary Diagnostic Pathology 2	60	P 118.731; to enrol in this paper students must hold a veterinary degree; R 116.724
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And/or

118.731	Veterinary Diagnostic Pathology 1	60	P To enrol in this paper students must hold a veterinary degree; R 116.721
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And

118.811	Research Report	60	P Graduate status and PPD
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Or

118.897	Thesis 120 Credit Part 1	60	P PPD and Graduate status
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And

118.898	Thesis 120 Credit Part 2	60	P PPD and Graduate status; C 118.897
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Or

118.899	Thesis	120	P PPD and Graduate status
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Veterinary Public Health

118.726	Veterinary Public Health	60	R 116.726
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118.815	Epidemiologic Methods 2	30	P Graduate status and PPD; C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper. R 118.721 and 195.721
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118.816	Advanced Analysis of Epidemiologic Data 1	30	C Candidates must be enrolled in 118.715 and 118.716, or be exempt, while taking this paper; R 118.821 and 195.821
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118.817	Advanced Analysis of Epidemiologic Data 2	30	C Candidates must be enrolled in 118.715, 118.716 and 118.717, or be exempt, while taking this paper; R 118.821 and 195.821
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118.819	Biosecurity Methods	30	P Graduate status and Permission of PD; C 118.715 and 118.716 or students exempt by the paper coordinator from completing both these papers
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And

118.811	Research Report	60	P Graduate status and PPD
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Or

118.897	Thesis 120 Credit Part 1	60	P PPD and Graduate status
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And

118.898	Thesis 120 Credit Part 2	60	P PPD and Graduate status; C 118.897
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Or

118.899	Thesis	120	P PPD and Graduate status
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BACHELOR'S HONOURS DEGREES

The Degree of Bachelor of AgriCommerce with Honours	147	The Degree of Bachelor of Communication with Honours	151
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The Degree of Bachelor of AgriCommerce with Honours BAgriCommerce(Hons)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

- Admission into the Bachelor of AgriCommerce with Honours is on the invitation of the College of Science and College of Business and is based on achievement of a B+ average over the 300-level papers in the Bachelor of AgriCommerce in the subject area in which the candidate intends to specialise.

Course of Study

- The Bachelor of AgriCommerce with Honours shall consist of 120 credits, including:
 - 112.748 Advanced Food and Agribusiness Strategies;
 - 30 credits of approved research methods and data analysis papers;
 - 30 credits of reported research (xxx.788/798);
 - completion of 30 credits at 700-level in one of the following subjects – Agricultural Economics, Farm Management, Food Economics and Society, Food Marketing and Retailing, International Agribusiness, Rural Valuation.

Special Topic papers (xxx.785 and/or xxx.786) may be included to a maximum of 30 credits.

The Degree of Bachelor of AgriScience with Honours BAgriScience(Hons)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course of Study

A Bachelor of AgriScience with Honours will comprise a total of 120 credits. The course of study shall include either Research Practice (119.728) or

Research Methods (119.729), a 30-credit research report (238.798) plus an approved selection of 700-level papers from the Schedules for the Degree of Master of AgriScience. Where less than 120 credits have been specified for any programme, the balance is to be selected from approved 700-level papers listed in the Schedule from other Honours programmes listed in the Calendar. Up to 45 credits of Special Topic papers may be included. The Bachelor of AgriScience with Honours can be awarded in the subjects as for the BAgriScience.

The Degree of Bachelor of Applied Economics with Honours BAppEcon(Hons)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of 120 credits from the Schedule, including 30 credits of reported research.
 - Electives not listed in the Schedule may be approved by the Academic Board on recommendation by the Head of the School of Economics and Finance.

Reported Research

- A candidate shall, before beginning work, discuss the project with the Head of the School of Economics and Finance, who shall recommend the appointment of a supervisor.
- The degree may also be awarded with Third Class Honours where appropriate, subject to the same time constraint in Part I of the Regulations.

Schedule to the Degree of Bachelor of Applied Economics with Honours

178.702	Macroeconomics	30
178.713	Microeconomics	30
178.732	Advanced Econometrics	30
178.799	Research Project	30

The Degree of Bachelor of Arts with Honours BA(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Arts with Honours requires that the candidate will:
 - meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Arts with a major in the intended postgraduate subject or close equivalent; or
 - shall have been awarded or qualified for the Bachelor of Arts with a minor in the intended postgraduate subject, followed by a Graduate Certificate in Arts with an endorsement in the intended postgraduate subject, or close equivalent; or
 - shall have been awarded or qualified for the Bachelor of Arts, followed by a Graduate Diploma in the Arts with an endorsement in the intended postgraduate subject, or close equivalent;
 and in all cases, will have:
 - achieved a B grade average over the 200- and 300-level specialisation papers of the qualification(s) considered for admission in Regulations 1(b to d);
 - achieved an IELTS of 7.0 with no band less than 6.5, if English is not the applicant's first language and the qualifying degree was not completed at a University where English is the medium of instruction.

Qualification Requirements

- Candidates for the Degree of Bachelor of Arts with Honours shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - a research report of at least 30 credits
 - any compulsory papers identified in the Schedule for the Qualification

Specialisations

- Candidates for the Degree of Bachelor of Arts with Honours must complete the requirements for one subject.
- The requirements for each subject are set out in the Schedule for the Qualification.
- Subjects available are: Defence Studies, Economics, Education, English, Geography, History, Māori Studies, Mathematics, Media Studies, Philosophy, Politics, Psychology, Social Anthropology, Social Policy, Sociology and Statistics.

Student Progression

- The Degree of Bachelor of Arts with Honours will be awarded with a class of Honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation, may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transition Regulations

- All candidates who commenced study towards the Bachelor of Arts with Honours on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
- Candidates who commenced study towards the Bachelor of Arts with Honours prior to 1 January 2015 may choose to transfer to these regulations but must satisfy all requirements as specified.

Schedule for the Qualification

Defence Studies

Compulsory papers (60 credits):

149.790	Research Methods in Defence and Security Studies	30
149.798	Research Report	30

Subject papers:

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	P Graduate status
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.710	Military History	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.799	Research Report	60	

Economics

One paper from the following (30 credits):

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent
178.732	Advanced Econometrics	30	P 125.785 or any 300-level Econometrics paper

Compulsory Research Report:

178.799	Research Project (30)	30
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Subject papers:

178.702	Macroeconomics	30	P Graduate status and 178.703, or 178.200 and 178.220 or 178.280, or PHOS; R 178.700, 178.714
178.703	The Theory and Practice of Economics	30	
178.712	International Monetary Economics	30	
178.713	Microeconomics	30	Graduate status and any 300-level Microeconomics paper or PHOS
178.718	Health Economics	30	
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate level Economics paper or 178.703, or PHOS; R 178.750, 178.770
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 178.756

178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS
178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS

Education

Compulsory Paper (30 credits):

267.792	Research Exercise	30	R 180.792
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Subject papers:

254.702	Facing Big Questions in Education	30	R 180.702
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	187.774
254.773	Educational Policy Analysis	30	187.773
254.774	Evaluation of Educational Organisations	30	187.774
254.775	Management of Human Resources in Educational Organisations	30	187.775
261.765	Trends in E-Learning	30	186.761, 186.765
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
265.737	Young Children and Their Families	30	R 186.737
269.733	Mana Motuhake: Contemporary Issues in Maori and Indigenous Education	30	
267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

English

Compulsory paper (30 credits):

139.799	Research Report	30	
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Subject papers:

139.703	Critical and Creative Research	30	P Postgraduate status
139.707	Women, Desire and Narrative	30	
139.710	Rhetoric, Composition and the Teaching of Writing	30	
139.724	Literary Revolutions: 18th Century and Romantic Literature	30	P Graduate status with a major or a minor in English
139.725	The Post-Romantic Subject	30	
139.728	Early Modern Metadrama: Vices and Devices	30	P Graduate status with a major or a minor in English
139.750	Contemporary New Zealand Writers in an International Context	30	R 139.795 (2008 only)
139.752	Aotearoa New Zealand Drama and Performance	30	
139.757	Twentieth-Century New Zealand Fiction: Texts and Theories	30	P Graduate status, with a major or minor in English or equivalent
139.758	Postcolonial Writing	30	
139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P Graduate status, and 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	Graduate status and 139.329; or PHOS
139.763	Community Theatre	30	R 139.753
139.775	Trauma, Memory, Haunting	30	
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and PHOS

Geography

Compulsory paper: (30 credits):

145.799	Research Report (30)	30	
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Subject papers:

145.701	Power and Geographic Knowledge	30	
145.702	Advanced Field Techniques in Geomorphology	30	
145.704	Advanced Quaternary Biogeography	30	P 145.320 or equivalent
145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status plus one from 145.303, 145.304, 145.327, or equivalent
145.706	Historical Geography	30	
145.710	Consumption and Place	30	

History

Compulsory papers (120 credits):

148.720	Advanced Historiography	30	
148.730	Advanced Historical Methodology	30	
148.799	Research Report (60)	60	

Māori Studies

Compulsory papers (60 credits):

150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
150.799	Research Report	30	

Subject papers:

150.701	Tino Rangatiranga: Strategic Māori Development	30	
150.702	Mauri Ora: Māori Mental Health	30	
150.710	Te Reo Whakawhitiwhiti: The Language of Everyday Communication	30	
150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30	
150.715	Taonga Tuku Iho: Heritage Aotearoa	30	

Media Studies

Compulsory paper one of (60 or 30 credits):

154.797	Research Report (60)	60	
154.798	Research Report (30)	30	

Subject papers:

154.701	Modern and Postmodern Visual Cultures	30	
154.702	Advanced Film Studies	30	
154.704	Media Research Methods	30	
154.707	The World of Noir	30	
154.708	Modern Fiction, Popular Culture and the Media	30	
154.709	Technology and Cultural Change	30	
154.719	Media, Entertainment, and Ethics	30	
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
219.705	Advanced News Media Processes	30	P Graduate status

Philosophy

Compulsory papers: (30 credits):

134.710	Philosophical Research	30	
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And one of:

134.798	Research Report (30)	30	
134.799	Research Report (60)	60	

Subject papers:

134.740	Advanced Study of Philosophical Topics	30	
134.750	Advanced Study of Philosophical Texts	30	

Politics

Compulsory papers (120 credits):

176.702	Advanced Social Inquiry	30	
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
200.762	Presidents and Prime Ministers	30	P Graduate status
200.798	Research Report (30)	30	

Psychology

Compulsory papers(45 credits):

175.738	Psychological Research: Principles of Design	15	
175.799	Research Report (30)	30	

Subject papers:

175.705	Applied Behaviour Analysis	15	
175.718	Postmodernism and Psychology	15	
175.719	Applied Criminal Psychology	15	
175.720	Advanced Psychology of Women	15	
175.721	Child and Family Therapy	15	
175.722	Principles of Clinical Neuropsychology	15	
175.725	Advanced Social Psychology	30	
175.729	Psychology and Culture	15	
175.730	Professional Practice in Psychology	15	
175.732	Psychological Well-being in Organisations	15	
175.733	Culture at Work	15	
175.734	Child Clinical Neuropsychology	15	
175.737	Occupational Psychology	15	
175.739	Health Psychology: Understanding Health and Illness	15	
175.740	Occupational Health Psychology	15	P Graduate status
175.741	Psychological Assessment in Organisations	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	

175.747	The Psychology of Sport and Exercise	15	
175.748	The Psychology of Organisational Change	15	
175.751	Neuropsychological Rehabilitation	15	
175.761	Theory and Practice of Cognitive Behaviour Therapy	15	
175.781	Clinical Psychopathology	15	R 175.701
175.782	Clinical Psychology Assessment	15	R 175.708
175.783	Clinical Psychology Interventions	15	R 175.707, 175.727

Social Anthropology

Compulsory papers (60 credits)

146.701	Contemporary Approaches in Anthropological Theory	30	
146.703	The Practice of Anthropology	30	

One of:

146.798	Research Report (60)	60	
146.799	Research Report (30)	30	

Social Policy

Compulsory papers (120 credits):

179.702	Advanced Research Methods	30	
279.701	Social Policy and Political Economy	30	R 179.701
279.703	Social Policy Studies	30	R 179.704
279.796	Research Report (30)	30	R 179.796

Sociology

Compulsory papers (90 credits):

176.701	Current Issues and Theories	30	
176.702	Advanced Social Inquiry	30	
176.799	Research Report (30)	30	

Subject papers:

176.711	Sociology of Underdevelopment	30	
176.715	Culture and New Zealand Society	30	
176.718	Environmental Sociology	30	

The Degree of Bachelor of Aviation Management with Honours BAvMan(Hons)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of at least 120 approved credits, including 190.704 Research Methods in Aviation and 190.795 Research Report plus papers as specified in the Schedule to these Regulations.

Schedule to the Degree of Bachelor of Aviation Management with Honours

Compulsory:

190.704	Research Methods in Aviation	30	
190.795	Research Project	30	

Electives:

190.701	Human Factors for Professional Aviation	30	
190.703	Management in Aviation Systems	30	
190.720	Aviation Strategic Management	30	
190.721	Design and Management of Airports	30	
190.790	Special Topic	30	
190.791	Special Topic	30	

The Degree of Bachelor of Business Studies with Honours

BBS(Hons)

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of at least 120 approved credits in Masterate-level papers, of which at least 90 credits shall be from one subject area of those listed below, including a 30 credit research report: Accountancy, Agribusiness, Business Information Systems*, Communication, Economics, Finance, Human Resource Management, Management, Marketing, and Valuation and Property Management.
- (a) Candidates shall be eligible for the award of Honours in any subject only at the first occasion on which they present themselves for

examination in that subject, provided, however, that candidates whose performance at a written examination have been seriously impaired by illness (certified under the Examination Regulations) may elect to present themselves at a subsequent examination and still be eligible for the award of Honours.

- (b) Subject to these Regulations, a person who has been awarded the degree in one subject area may be a candidate for the degree in another subject area and if eligible may be awarded honours therein.

- The degree may also be awarded with Third Class Honours where appropriate, subject to the same time constraint in Part I of the Regulations.

Note: Part I Regulation 1 shall be interpreted to require a BBS degree of Massey University or the equivalent degree from another New Zealand university, together with passes at 300-level in the subject areas offered for study.

* No new enrolments in this endorsement.

The Degree of Bachelor of Communication with Honours

BC(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Communication (Honours) requires that the candidate:
 - meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Communication or close equivalent; or by permission of Head of School; and
 - have achieved at least a B grade average in the 300-level majoring papers of the intended primary subject area; and
 - have achieved at least 15 credits at 300-level with a B grade average in the intended secondary subject area.

Qualification Requirements

- Candidates for the Degree of Bachelor of Communication (Honours) shall follow a flexible course of study, which shall consist of papers totalling at least of 120 credits, comprising:
 - at least 30 credits of taught papers from one of the subject areas in the Schedule to the Bachelor of Communication with Honours;
 - the relevant Research Report for that subject area;
 - at least 30 approved credits from: 139.703 Critical and Creative Research, 154.704 Media Research Methods, 156.776 Research Methods in Marketing, 219.790 Research Methods in Communication;
 - at least 30 credits of taught papers from a secondary subject area in the Schedule to the Bachelor of Communication (Honours).

Specialisations

- Students whose primary subject area is Communication Management, Journalism Studies, Marketing Communication or Public Relations must select Expressive Arts, Linguistics, or Media Studies as their secondary area of study.
- Students whose primary subject area is Expressive Arts, Linguistics, or Media Studies must select Communication Management, Journalism Studies, Marketing Communication or Public Relations as their secondary area of study.

- The Bachelor of Communication (Honours) will be awarded with a subject in the primary area of study.

Student Progression

- In cases of sufficient merit, the Bachelor of Communication (Honours) may be awarded with a specified class of honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Arts should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- Communication Management papers completed under the 2013 Bachelor of Communication (Honours) regulations may be substituted for Communication Management papers in the current Qualification Schedule.

Schedule to the Degree of Bachelor of Communication with Honours

Communication Management

219.702	Management Communication	30	P Graduate status
219.703	Advanced Business Communication	30	P Graduate status
219.704	Advanced Cross-Cultural Communication	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

Expressive Arts

139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	P 139.329 or PHOS
139.763	Community Theatre	30	R 139.753
139.799	Research Report	30	P Graduate status

154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
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Journalism Studies

219.705	Advanced News Media Processes	30	P Graduate status
219.708	Political Communication	30	P Graduate status
219.709	Advanced Journalism Issues	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

Linguistics

172.712	Multimodal Discourse Analysis	30	A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300-level.
172.713	Language and Communication in Late Modernity	30	A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300-level.
172.799	Research Report	30	A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300-level.

Marketing Communication

156.755	Advanced Electronic and Mobile Marketing	30	P Graduate status and 156.700 or PHOS; R 156.717
156.758	Advanced Social Marketing	30	P Graduate status and PHOS; R 156.718

156.775	Theories and Models of Marketing	30	P Graduate status and at least 45 credits of 156.3xx or 60 credits of 156.7xx or PHOS; R 156.711, 156.712
156.799	Research Report	30	P Graduate status and PHOS

Media Studies

154.701	Modern and Postmodern Visual Cultures	30	P Graduate status
154.702	Advanced Film Studies	30	P Graduate status
154.707	The World of Noir	30	P Graduate status and PHOS
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and PHOS
154.709	Technology and Cultural Change	30	P Graduate status
154.719	Media, Entertainment, and Ethics	30	P Graduate status
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
154.798	Research Report	30	P Graduate status

Public Relations

219.706	Advanced Public Relations	30	P Graduate status and PHOS
219.710	Persuasive Communication Practice	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

The Degree of Bachelor of Environmental Management with Honours BEnvMgmt(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Environmental Management (Honours) requires that the candidate will:
 - meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Environmental Management or an equivalent qualification, having achieved an A- grade average or higher, over the qualifying 300-level papers.

Qualification Requirements

- Candidates for the Degree of Bachelor of Environmental Management (Honours) shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - papers selected from the Schedule to the Degree;
 - 188.787 Dissertation.
 And including:
 - any compulsory papers listed in the Schedule for the Qualification;
 - at least 30 credits from one Option listed in the Schedule to the Qualification;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 2, and at the discretion of Academic Board, Candidates may be required to complete one or more bridging papers, 188.707 and/or 188.708, should their undergraduate qualification be deficient in environmental economics or applied science.

Specialisations

- The Degree of Bachelor of Environmental Management (Honours) is awarded without specialisations.

Student Progression

- In cases of sufficient merit, the Degree of Bachelor of Environmental Management (Honours) may be awarded with a class of Honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Bachelor of Environmental Management (Honours) on or after 1 January 2014 must satisfy the requirements as specified in these regulations.
- Candidates who commenced study towards the Bachelor of Environmental Management (Honours) prior to 2014, and who have successfully completed 30 credits toward the Honour's Degree, may complete under the regulations in the 2013 University Calendar.
- These transition regulations expire in 2015, and candidates who have not completed by the end of 2015 must comply with these regulations.

Schedule for the Qualification

Part One

Compulsory papers (30 credits):

188.763	Advanced Environmental Management	30	P Graduate status and PPD
188.787	Dissertation	60	P Graduate status and PAD

Elective papers:

188.707	Introduction to Advanced Environmental Management I	15	P Graduate status and PPD
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188.708	Introduction to Advanced Environmental Management II	15	P Graduate status and PPD
188.785	Special Topic	15	P Graduate status and PPD
188.786	Special Topic	30	P Graduate status and PPD

Option A: Water

145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status, plus one from 145.303, 145.304, 145.327 or equivalent
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
196.712	Aquatic Ecology	30	P Graduate status and PPD

Option B: Land

119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
188.752	Land Reclamation	15	P Graduate status and PPD
189.753	Soil and Land Evaluation	30	P 189.364 or PPD, Graduate status
189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
196.713	Ecology	30	P Graduate status and PPD
196.726	Plant Ecology	30	P Graduate status and PPD
233.701	Advanced Pedology	30	P 189.364 or PPD
233.756	Environmental Geology	30	P Graduate status and :PPD

Option C: Techniques and Tools

132.738	GIS Principles and Applications	30	P Graduate status
132.740	Geographic Information Systems Programming and Practice	30	P 132.738; C 132.738
152.752	Project Management	30	P Graduate status and PHOS
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
189.761	Applied Remote Sensing	30	P Graduate status and PPD
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767
228.769	Energy-Efficient Building Design	15	P Graduate status and PPDor 228.741 or 228.743; R 142.769
233.706	Environmental Geographical Information Systems	30	P Graduate status and PPD
233.707	Environmental Remote Sensing	30	P 233.301 or PPD, Graduate status

238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
238.751	Agricultural Greenhouse Gas Emission Science	15	P Graduate status and PPD

Option D: Policy and Environmental Economics

131.704	Sustainable Development	30	P Graduate status
132.735	Natural Resource Planning	30	P Graduate status
145.707	Economic Geography	30	P Graduate status
152.704	Business and Sustainability	30	P Graduate status; R 115.783
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PHOS
188.705	Natural Resource Policy	15	P PPD; Graduate status
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.766	Integrated Energy Resource Planning	15	P 142.740 or 142.741 or 228.740 or 228.741; R 142.766
235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
235.707	Maori Natural Resource Policy	30	P Graduate status and PPD

Option E: Environment and Society

132.751	Natural Hazards and Resilient Communities	30	P Graduate status
176.718	Environmental Sociology	30	P Graduate status
188.751	Advanced Zero Waste for Sustainability	30	P Graduate status and PPD; R 188.251
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPDor 228.312; R 142.750
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD

The Degree of Bachelor of Health Science with Honours BHlthSc(Hons)

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Candidates for the Degree of Bachelor of Health Science with Honours shall before enrolment have:
 - (a) qualified for the award of the Degree of Bachelor of Health Science and passed at the 300-level such papers as are indicated in the prerequisite provisions in the prescriptions for the subject or subjects they offer at a standard that, in the opinion of the Academic Board, is sufficient to enable them to take an appropriate programme of study for the degree; or
 - (b) been granted admission with equivalent status as entitled to proceed in the subject or subjects offered.

Course Requirements

2. Candidates shall follow an approved course of study to a minimum value of 120 credits and satisfy all course requirements in one of the subject areas listed and detailed in the Schedule for these Regulations.
3. Subject to these Regulations, candidates enrolled in a course for the Master of Health Science may, with permission of the Academic Board, transfer to the course for Bachelor of Health Science with Honours

provided that for the purpose of Regulation 8 (Part I Regulations) the date of first enrolling in the course for Master of Health Science be taken as the beginning of the course of study.

Schedule for the Degree of Bachelor of Health Science with Honours

Environmental Health

Prerequisite

A major in Environmental Health or equivalent, according to the BHlthSc Regulations.

Course of Study

Papers selected from the following list, including a research methods paper (168.810 or an approved alternative) and 214.798 Research Report:

214.772	Advanced Topics in Food Quality	30	
214.773	Advanced Topics in Water Quality	30	
214.774	Advanced Topics in Sound and its Reception	30	
214.775	Advanced Topics in Environmental Health	30	
214.777	Advanced Topics in Air Quality	30	Graduate Status and Permission of PD

214.781	Advanced Topics in Health Science	30	
214.798	Research Report	30	
231.704	Māori Health	30	
231.707	Environmental Health	30	
252.702	Sleep, Fatigue Risk Management and Occupational Safety and Health	30	P Postgraduate Status; R 252.701
168.810	Health Research Design and Method	30	

or other approved paper to the value of 30 credits from an appropriate discipline.

Māori Health

Prerequisite

A major in Māori Health or equivalent, according to the BHlthSc Regulations.

Course of Study

Papers selected from the following list, including a research methods paper (150.714 or 168.810 or an approved alternative) and 150.799 Research Report (30):

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.702	Mauri Ora: Māori Mental Health	30	
150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
150.799	Research Report (30)	30	
231.704	Māori Health	30	
168.810	Health Research Design and Method	30	

or other approved paper to the value of 30 credits from an appropriate discipline.

Psychology

Prerequisite

A major in Psychology or equivalent, according to the BHlthSc Regulations.

Course of Study

Papers selected from the following list, including the research methods paper (175.738) and 175.799 Research Report (30):

175.718	Postmodernism and Psychology	15	
175.719	Applied Criminal Psychology	15	
175.720	Advanced Psychology of Women	15	
175.721	Child and Family Therapy	15	
175.722	Principles of Clinical Neuropsychology	15	
175.725	Advanced Social Psychology	30	
175.730	Professional Practice in Psychology	15	
175.732	Psychological Well-being in Organisations	15	
175.733	Culture at Work	15	
175.734	Child Clinical Neuropsychology	15	
175.737	Occupational Psychology	15	
175.738	Psychological Research: Principles of Design	15	
175.739	Health Psychology: Understanding Health and Illness	15	
175.740	Occupational Health Psychology	15	P Graduate Status
175.741	Psychological Assessment in Organisations	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
175.747	The Psychology of Sport and Exercise	15	
175.748	The Psychology of Organisational Change	15	

175.761	Theory and Practice of Cognitive Behaviour Therapy	15	
175.781	Clinical Psychopathology	15	R 175.701
175.782	Clinical Psychology Assessment	15	R 175.708
175.783	Clinical Psychology Interventions	15	R 175.707, 175.727
175.799	Research Report (30)	30	

or other approved paper to the value of 30 credits from an appropriate discipline.

Rehabilitation

Prerequisite

A major in Rehabilitation or equivalent, according to the BHlthSc Regulations.

Course of Study

Papers selected from the following list, including paper 147.701, a research methods paper (168.810 or an approved alternative) and 147.799 Research Report (30):

147.701	Rehabilitation Theory and Practice	30	
147.702	Rehabilitation Counselling	30	
147.703	Vocational Rehabilitation	30	
147.704	Drugs and Society	30	
147.705	Education and Rehabilitation of the Visually Impaired	30	
147.799	Research Report (30)	30	
231.704	Māori Health	30	
168.810	Health Research Design and Method	30	

or other approved paper to the value of 30 credits from an appropriate discipline.

Sport and Exercise

Prerequisite

A major in Sport and Exercise or equivalent, according to the BHlthSc Regulations.

Course of Study

Papers selected from the following list, including a research methods paper (168.810, or 119.728, or an approved alternative) and 234.799 Research Report:

119.728	Research Practice	15	P Graduate Status and Permission PD
151.709	Biometrics for the Animal and Nutritional Sciences	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
175.747	The Psychology of Sport and Exercise	15	
234.716	Advanced Physical Conditioning	30	P Graduate Status and Permission Programme Director; R 234.705,152.719
234.717	Advanced Exercise Prescription for Musculoskeletal Conditions	15	P Completion of the Bachelor of Health Sciences degree (Sport and Exercise major); Bachelor of Sport and Exercise Science (Exercise Prescription and Training major), or similar programmes as specifically approved by the PG advisor
234.718	Advanced Exercise Prescription for Cardiopulmonary Conditions	30	P Completion of the Bachelor of Health Sciences degree (Sport & Exercise major); Bachelor of Sport and Exercise Science (Exercise Prescription and Training major), or similar programmes as specifically approved by the PG advisor

234.719	Advanced Topics in Clinical Exercise, Health and Disease	30	P Completion of the Bachelor of Health Sciences degree (Sport and Exercise major); Bachelor of Sport & Exercise Science (Exercise Prescription and Training major), or similar programmes as specifically approved by the PG advisor	234.721	Muscle Mechanics	15	P Graduate Status and Permission from Programme Director. Students need to have passed 194.241 and 234.203 or 234.223 or equivalent; R 234.751, 234.701
234.720	Skeletal Muscle Metabolism	15	P Graduate Status and Permission from Programme Director. Students need to have passed 122.102, 194.241 and 234.203 or 234.223 or equivalent; R 234.702	234.722	Advanced Biomechanics	15	P Graduate Status and Permission from Programme Director; R 234.753, 234.704
				234.723	Advanced Topics in Exercise Science	15	P Graduate Status and Permission from Programme Director; R 234.703
				234.799	Research Report	30	
				168.810	Health Research Design and Method	30	P Graduate Status; R 168.710

Or other approved paper to the value of 30 credits from an appropriate discipline.

The Degree of Bachelor of Information Sciences with Honours BInfSc(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Information Sciences (Honours) requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the Bachelor of Information Sciences having achieved a B+ grade average over the 300-level majoring papers of the intended subject area; or
 - have passed 240 credits towards the Degree of Bachelor of Information Sciences having achieved an A- grade average, and including at least 195 credits above 100- level and having met the requirements for at least one major.

Qualification Requirements

- Candidates for the Degree of Bachelor of Information Sciences (Honours) shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - 120 credits at 700-level selected from the Schedule for the Qualification;
 and including:
 - any compulsory papers listed in the Schedule for the Qualification;
 - completion of a subject;
 - attending workshops, block courses, tutorials or laboratories as required.

Specialisations

- Candidates shall complete a subject by passing at least 120 credits in a subject including completion of a research or project paper. The requirements for each subject are set out in the Schedule for the Qualification.
- Approved subjects are: Computer Science, Information Technology.
- Approved joint subjects are: Software Engineering.

Student Progression

- Candidates admitted to the Degree under Regulation 1(c) must maintain an A- grade average over the remaining Bachelor of Information Science requirements to remain in the programme.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed

timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science, or for candidates admitted under Regulation 1(c) the award of Bachelor of Information Sciences, should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedules to the Degree of Bachelor of Information Sciences with Honours

Computer Science

Compulsory papers (30 credits):

159.793	Project	30	P Graduate status and PPD
159.794	Project	15	P Graduate status and PPD
159.795	Project	15	P Graduate status and PPD
159.799	Research Report	30	P Graduate status and PPD

Specialist papers (90 credits):

159.702	Knowledge Engineering	15	P Graduate status and PPD
159.703	Advanced Computer Systems	15	P Graduate status and PPD
159.704	Systems Programming	15	P Graduate status and PPD
159.707	Advanced Software Design and Construction	15	P Graduate status and PPD
159.709	Computer Graphics	15	P Graduate status and PPD
159.710	User Interface Design	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.733	Studies in the Practice of Computing	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD
159.738	Special Topic	15	P Graduate status and PPD
159.739	Special Topic	15	P Graduate status and PPD
159.740	Studies in Intelligent Systems	15	P Graduate status and PPD
159.741	Intelligent Robotics	15	P Graduate status and PPD
159.771	Special Topic	15	P Graduate status and PPD
159.773	Special Topic	15	P Graduate status and PPD
159.774	Special Topic	30	P Graduate status and PPD

Information Technology

Compulsory papers (30 credits):

158.799	Information Technology Research Project	30	P Graduate status and PPD; R157.799
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Specialist papers (90 credits):

158.729	Socio-technical System Design and Evaluation	15	P Graduate status and PPD
158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.750	Information Sciences Research Methods	15	P Graduate status and PPD; R157.750
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757
158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.759	Emerging Issues in E-Health	15	P Graduate status and PPD
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762
158.791	Special Topic	30	P Graduate status and PPD
158.793	Special Topic	15	P Graduate status and PPD
158.796	Special Topic	15	P Graduate status and PPD
158.797	Special Topic	15	P Graduate status and PPD; R157.797

Software Engineering

Compulsory papers (30 credits):

159.793	Project	30	P Graduate status and PPD
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159.794	Project	15	P Graduate status and PPD
159.795	Project	15	P Graduate status and PPD
159.799	Research Report	30	P Graduate status and PPD

Computer Science Component (45 credits):

159.709	Computer Graphics	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD

Information Technology Component (45 credits):

158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757
158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762

The Degree of Bachelor of Science with Honours BSc(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- Candidates shall follow an approved course of study of not less than 120 credits in a subject listed in the Schedule for the Bachelor of Science with Honours.
- The Academic Board may approve a course of study involving papers from more than one of the subjects listed in the Schedule to these Regulations provided that at least half of the total credits for the papers are chosen from one subject.

Subjects

- The subjects of examination for the degree are those listed under the Schedule.

General Provisions

- Subject to these Regulations a candidate enrolled in a course for the degree of Master of Science may, with the permission of the Academic Board, transfer to a course for the degree of Bachelor of Science with Honours, provided that for the purpose of Regulation 6(b) Part I the date of enrolment for the degree of Bachelor of Science with Honours shall be taken as the date of enrolment for the degree of Master of Science.
- A candidate shall not be enrolled in the same subject for the degree of Bachelor of Science with Honours and the degree of Bachelor of Arts with Honours or the degree of Master of Arts or the Diploma in Science.
- Subject to these Regulations, a candidate who has completed the requirements for the degree in one subject may be a candidate for the degree in another subject, in which case the period specified in

Regulation shall commence from the date of enrolment for the second subject.

- A candidate who has passed at least 90 credits in BSc Schedule A papers with an average grade of A- or better may be invited to enter an accelerated BSc/BSc(Hons) programme. Once at least 240 credits of BSc schedule papers, including at least 30 credits at 300-level in majoring or related papers, have been passed with a continued A- minimum average grade, enrolment into BSc(Hons) papers will be permitted. A candidate will continue to complete the full 360 credits required for the BSc in addition to 120 credits for the BSc(Hons). Completion of both programmes may be attained within a minimum time of 3 calendar years from the date of first full-time enrolment in the BSc programme. Acceptance into the accelerated programme is by invitation, normally during year 1 or year 2 of the BSc Programme.
 - A candidate who has been invited into the accelerated BSc/ BSc(Hons) programme may elect to leave the accelerated programme and return to the non-accelerated programme at any point.
 - A candidate may not be permitted to continue in the accelerated programme if the minimum A- average grade is not sustained, but may return to the non-accelerated programme.
 - A candidate who has left the accelerated programme after having completed some BSc(Hons) papers but has still to complete some BSc papers may be permitted to count BSc(Hons) papers towards completion of the BSc. Such papers will not subsequently be able to be credited to a BSc(Hons) or an MSc unless the student later completes alternative Undergraduate papers to complete the BSc Degree.

Schedule to the Degree of Bachelor of Science with Honours

Unless otherwise specified in the Schedule and dependent on Regulation 6 the course of study for each subject shall be an approved selection of papers from the list of papers specified for the MSc degree in that subject to give 90 credits and a research report (xxx.798 or xxx.799).

Selected students in approved subject areas for the BSc Honours Programme may be offered the opportunity to complete a BSc Honours Programme by undertaking a 90-credit Research paper (247.795 BSc Honours Research Portfolio) and completing 30 credits of 700-level taught papers. Entry to this option will be by invitation, and will be based on academic merit, approval of the relevant Postgraduate Subject Leader, and availability of a suitable project and appropriate supervision.

Agricultural Science

Prerequisite

A major in Agricultural Science or another approved subject as defined for the BSc degree.

Course of Study

An approved selection of papers from the MSc degree in Agricultural Science to a total of 120 credits and including 119.728, 119.729 or 162.760 and a 30-credit research report (either 117.799, 171.799 or 189.798). At least 15 credits are to be in a paper in a different subject area from that of the Research Report.

Animal Science

Prerequisite

A major in Animal Science or another approved subject as defined for the BSc degree.

Course of Study

An approved selection of papers from the MSc degree in Animal Science to a total of 120 credits and including 119.728, 119.729 or 162.760 and a 30-credit research report (117.799).

Biochemistry

Prerequisite

A major in Biochemistry as defined for the BSc degree plus a further approved 15 300-level credits.

Biological Sciences

Prerequisite

A major in Biochemistry, Biological Sciences, Ecology, Genetics, Microbiology, Physiological and Molecular Plant Biology, Physiology, Plant Biology or Zoology as prescribed for the BSc, plus a further 15 approved 300-level credits in a second subject in the foregoing list.

Biotechnology

No new enrolments in this subject from 2011 onwards. Students enrolled in this subject in 2010 or earlier may continue under the regulations in the 2010 Calendar. Other students interested in the area of Biotechnology should consider Biochemistry, Genetics, Plant Biology, Microbiology or Biological Sciences.

Chemical Physics

Prerequisite

Either a major in Physics as defined for the BSc degree plus 30 credits above 100-level in Chemistry or a major in Chemistry as defined for the BSc degree plus 30 credits above 100-level in Physics.

Chemistry

Prerequisite

A major in Chemistry as defined for the BSc degree plus a further 15 credits at 300-level in Chemistry or another approved subject.

Computer Science

Prerequisite

A major in Computer Science as defined for the BSc degree.

Earth Science

Prerequisite

A major in Earth Science or Geology as defined for the BSc degree.

Ecology

Prerequisite

A major in Ecology, Zoology or Plant Biology as defined for the BSc degree.

Exercise and Sport Science

Prerequisite

A major in Exercise and Sport Science as defined for the BSc degree.

Course of Study

An approved selection of papers from the list of papers for the MSc degree in Exercise and Sport Science to give 90 credits and a Research project (234.799).

Genetics

Prerequisite

A major in Genetics as defined for the BSc degree, plus a further approved 15 credits at 300-level.

Geography

Prerequisite

A major in Geography as defined for the BSc degree.

Horticultural Science

Prerequisite

A major in Horticultural Science or another approved subject as defined for the BSc degree.

Course of Study

An approved selection of papers from the MSc degree in Horticultural Science to a total of 120 credits and including 119.728, 119.729 or 162.760 and a 30-credit research report (171.799).

Human Nutrition

Prerequisite

A major in Human Nutrition as defined for the BSc Degree.

Course of study

An approved selection of papers from the list for the MSc Degree in Human Nutrition to give a total of 90 credits and a research project (151.799)

Information Technology

No new enrolments from 2011.

Prerequisite

A major in Information Technology as defined for the BSc degree.

Course of Study

An approved selection of papers for the MSc degree in Information Technology to a total of 120 credits including a research report (158.799).

Mathematical Physics

Prerequisite

A major in Mathematical Physics as defined for the BSc degree, or a major in Physics as defined for the BSc degree plus 160.317 Mathematical Physics and 160.318 Differential Equations II, or a major in Mathematics as defined for the BSc degree, including 160.317 Mathematical Physics, plus an additional 30 credits at 300-level in Physics.

Course of Study

An approved selection of papers for the MSc degree in Mathematical Physics to a total of 120 credits.

Mathematics

Prerequisite

A major in Mathematics as defined in the Schedule to the BSc degree. It is recommended that where possible the major include the papers 160.212, 160.301, 160.302, 160.317, 160.318 and 160.319.

Course of Study

An approved selection of papers for the MSc degree in Mathematics to a total of 120 credits.

Microbiology

Prerequisite

A major in Microbiology as defined for the BSc degree, plus a further approved 15 credits at 300-level.

Nanoscience

Prerequisite

A major in Nanoscience as defined for the BSc degree plus a further 15 credits at the 300-level in an approved subject.

Course of Study

An approved selection of 700-level papers from the list for the MSc degree in Chemistry, Physics, Chemical Physics and Biochemistry to give a total of 90 credits and a research project (236.798).

Physics

Prerequisite

A major in Physics as defined for the BSc degree plus an approved 15 credits in 300-level Mathematics.

Physiology

Prerequisite

A major in Physiology as defined for the BSc degree.

Plant Biology

Prerequisite

A major in Plant Biology or Physiological and Molecular Plant Biology as defined for the BSc degree, plus a further 15 credits at 300-level.

Psychology

Prerequisite

A major in Psychology as defined for the BSc degree.

Course of Study

An approved selection of papers from the list for the MSc degree in Psychology to give a total of 90 credits (which normally includes 175.738) and a research project (175.799).

Software Engineering

No new enrolments from 2011.

Prerequisite

A major in Software Engineering, as defined for the BSc degree.

Course of Study

An approved selection of papers from the list for the MSc degree in Software Engineering to give a total of at least 90 credits and a research project (158.799 or 159.793).

Soil Science

Prerequisite

A major in Earth Science as defined for the BSc degree plus a further 30 credits at 300-level in Earth Science, or an approved undergraduate programme of study in a related discipline.

Statistics

Prerequisite

A major in Statistics as defined for the BSc/BInfSc degree, and at least one of 160.203 and 160.211.

Course of Study

An approved selection of papers for the MSc degree in Statistics to a total of 120 credits. The course of study shall normally include 161.705 Advanced Statistical Inference.

Zoology

Prerequisite

A major in Zoology as defined for the BSc degree.

The Degree of Bachelor of Sport and Exercise with Honours BSpEx(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the programme is open to students who have completed a Bachelor of Sport and Exercise or equivalent sport-related degree with at least an overall B+ grade average.

Course Requirements

- The course shall consist of at least 120 credits from the Schedule and must include:
 - 234.771, or an equivalent paper in research methods; and
 - 234.799 Research Report.

Schedule to the Degree of Bachelor of Sport and Exercise with Honours

175.747	The Psychology of Sport and Exercise	15	
234.716	Advanced Physical Conditioning	30	Graduate status and PPD; R 234.705, 152.719

234.717	Advanced Exercise Prescription for Musculoskeletal Conditions	15	
234.718	Advanced Exercise Prescription for Cardiopulmonary Conditions	30	
234.719	Advanced Topics in Clinical Exercise, Health and Disease	30	
234.720	Skeletal Muscle Metabolism	15	R 234.702
234.721	Muscle Mechanics	15	R 234.751 and 234.701
234.722	Advanced Biomechanics	15	R 234.753 and 234.704
234.723	Advanced Topics in Exercise Science	15	R 234.703
234.731	Advanced Sport in the Social Context	30	R 152.710
234.732	Advanced Sport Management	30	R 152.711
234.736	Advanced Sport Coaching	30	R 152.713
234.738	Advanced Sport Practicum	30	R 152.712, 152.714 and 152.715
234.745	Advanced Application of Maori Perspectives to Health and Physical Education	30	
234.771	Research Methods in Sport and Exercise	15	Graduate Status or permission of Programme Director
234.790	Special Topic	15	
234.791	Special Topic	15	
234.792	Special Topic	30	
234.799	Research Report	30	

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* No new enrolments

+ No enrolments until 2016

The Degree of Bachelor of Accountancy

BAcc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of Accountancy requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Bachelor of Accountancy shall follow a course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 135 credits at 100 level;
 - at least 75 credits at 300 level;
 And including:
 - all of the core papers listed in Schedule A of the Schedule to the Qualification (270 credits);
 - papers as specified in Schedule B to the Qualification (60 credits), including at least 30 credits from 110.309, 110.329 or 110.379 and no more than 15 credits from 125.320 or 125.330;

- one communication paper as specified in Schedule C to the Qualification (15 credits);
- One 200- or 300-level paper with a 114, 125, 127, 152, 153, 155, 156, 157, or 178 prefix (15 credits).

Specialisations

- There are no specialisations for this degree.

Student Progression

- Progression requirements as specified in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Business Studies should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A

Core papers for the Degree of Bachelor of Accountancy (270 credits)

110.109	Introductory Financial Accounting	15	P110.100; P/C 115.102; R 110.213 (1999), 110.215, 110.230
110.209	Intermediate Financial Accounting	15	P 110.109 or 110.215 or 110.230; R 10.210, 10.213 (pre-1999), 110.313
110.229	Management Accounting	15	P110.109 or 110.215 or 110.230; R 110.200, 10.220, 110.223
110.249	Accounting Information Systems	15	P 110.109 or 110.215 or 110.230; and 115.107 or 157.100 or PHOS; R 10.240, 110.243
110.279	Auditing	15	P 110.100 or 110.230 or 115.102; R 110.274
110.289	Taxation	15	P 110.100 or 110.230 or 115.102; R 10.283, 110.274
110.303	Integrative Accounting	15	P 240 credits inclusive of 110.209 or 110.313; 110.223 or 110.229 and at least 15 credits at 300-level with a 110 prefix from the BBS Schedule.
115.101	Statistics for Business	15	R 161.100, 161.110, 161.120, 161.130
115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	R 156.100, 156.200
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
115.107	Management Information Systems	15	R 157.100
115.108	Organisations and Management	15	R 152.100
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre-2009) or 110.100 (pre-1997); 115.101 or 161.110 (recommended); R 125.201
155.203	Law of Business Organisations	15	P 115.103 or 155.202; R 155.200, 155.700

155.210 Commercial Law 15 P 115.103 or 155.202; R 155.200, 155.700

Schedule B

Accountancy and Finance papers for Bachelor of Accountancy (55 credits)

(i) At least 30 credits from:

110.309	Advanced Financial Accounting	15	P 110.209 or 110.313; R 10.310, 110.713
110.329	Advanced Management Accounting	15	P 110.229 or 110.223; R 10.320
110.379	Advanced Auditing	15	P 110.109 or 110.215 or 110.230; and 110.279 or 110.274; R 10.370, 110.773
110.349	Advanced Accounting Information Systems	15	P 110.243 or 110.249; R 110.743
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783

(ii) Up to 30 credits from:

110.349	Advanced Accounting Information Systems	15	P 110.243 or 110.249; R 110.743
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783

(iii) No more than 15 credits from:

125.320	International Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201; R 25.331
125.330	Advanced Business Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201

Schedule C

Communication papers for Bachelor of Accountancy (15 credits)

15 credits from:

219.202	Professional and E-Business Writing	15	P any 100-level paper; R 114.262
219.203	Business Communication	15	P any 100-level paper; R 114.100, 114.253, 219.100

The Degree of Bachelor of AgriCommerce BAgriCommerce

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of AgriCommerce requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of AgriCommerce shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:

- Not more than 165 credits at 100-level;
- At least 75 credits at 300-level;

And including:

- The core papers listed in Schedule A for the Qualification, including either Option I or Option II or Option III from Part Two depending on the major selected;
- Completion of at least one major;
- Attending field trips, studios, workshops, tutorials, and laboratories as required.

- Candidates who, in the opinion of the Academic Board, have passed with sufficient merit subjects for either a Diploma in Farm or Horticultural Management from a New Zealand university, or relevant subjects from some other recognised tertiary qualification, may be cross-credited with specified or unspecified papers not exceeding a total of 120 credits.

Specialisations

- Candidates may complete a major by passing at least 90 credits in a major including 30 credits at 200-level and 45 credits at 300-level. The requirements for each major are set out in Schedule B for the Qualification.
- No paper may be credited to more than one major subject.
- Majors available are: Agricultural Economics, Farm Management, International Agribusiness, Food Marketing and Retailing, Māori Agribusiness, and Rural Valuation.
- Candidates who complete the Rural Valuation major must additionally meet the non-academic requirements specified by the Valuers Registration Board for eligibility to apply for registration.
- Candidates may include a minor in the Bachelor of AgriCommerce.
 - A minor must include a minimum of 60 credits, including at least 45 credits above 100-level, of which at least 15 credits must be at 300-level.
 - The requirements for each minor are set out in Schedule B for the Qualification.
 - The minor must be in a different subject area from the major(s).
 - Minors may be included from any undergraduate degree within the University for which recognised minors are specified.

- (e) Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
- (f) No paper may be credited to both a major and a minor.
- (g) No paper may be credited to more than one minor subject.

9. Minors available are: Agricultural Economics, International Agribusiness, Food Marketing and Retailing, and Rural Valuation.

Academic Requirements

10. Candidates must complete to the satisfaction of the Academic Board a period of not less than 26 weeks of approved practical work experience and associated reports in accordance with the requirements of 119.150 Practicum I, and 119.250 Practicum II.

Completion Requirements

- 11. The timeframes for completion as outlined in the General Regulations for Undergraduate Qualifications will apply.
- 12. Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

13. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- 14. All candidates commencing study towards the Bachelor of AgriCommerce on or after 1 January 2012 must satisfy the requirements specified in these regulations. At the discretion of Academic Board, candidates who were enrolled in the qualification prior to 1 Jan 2014 may have a personal course variation approved in excess of stated limits to meet the requirements of the 2014 regulations through paper substitution.
- 15. Candidates who commenced study towards the Bachelor of AgriCommerce prior to 1 January 2012, and who have passed at least 120 credits whilst enrolled in the qualification, may complete under the Bachelor of AgriCommerce regulations in the 2011 Calendar until the end of the 2015 academic year.
- 16. Candidates who commenced study towards the Bachelor of AgriCommerce prior to 1 January 2012, and who have passed less than 120 credits whilst enrolled in the qualification must satisfy the requirements specified in these regulations.

Schedules for the Degree of Bachelor of AgriCommerce

Schedule A – Core Papers (210 credits)

Part One (135 credits)

112.248	Food and Agribusiness Value Chains	15	P 119.180; nil for GradDipRurStud
115.101	Statistics for Business	15	R 161.100, 161.110, 161.120 and 161.130
115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	R 156.100, 156.200
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
119.150	Practicum I	0	
119.180	Introduction to Agribusiness	15	R 119.156
119.250	Practicum II	0	P119.150

15 credits from:

239.373	AgriCommerce Capstone	15	P Students must have achieved 240 credits; C 112.302; R 112.301, 119.373
119.373	Integrative Studies	15	P Students must have achieved 240 credits

Part Two (75 credits)

Option I: Core Papers for Farm Management and Rural Valuation

189.151	Soil Properties and Processes	15	R 189.142
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283.101	Plants in Agriculture	15	R 171.102
119.281	Decision Tools for Primary Industries	15	P 119.180, and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil for Grad DipRurStud; R 111.231, 111.251, 111.252

15 credits from:

117.152	Animals and Agriculture	15	R 117.151 and 199.101
284.101	Production Horticulture	15	R 171.127, 171.128

15 credits from:

127.242	Applied Valuation I	15	P Any 100-level paper; R 127.255
138.255	Engineering Principles in Food and Fibre Production	15	P Any 100-level paper; nil for GradDipRurStud
152.261	International Business	15	P Any 100-level paper

Option II: Core Papers for the Agricultural Economics, International Agribusiness, Food Marketing and Retail

117.152	Animals and Agriculture	15	R 117.151 and 199.101
152.261	International Business	15	P Any 100-level paper
284.101	Production Horticulture	15	R 171.127, 171.128

15 credits from:

283.101	Plants in Agriculture	15	R 171.102
189.151	Soil Properties and Processes	15	R 189.142

15 credits from :

119.281	Decision Tools for Primary Industries	15	P 119.180, and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil For Grad DipRurStud; R 111.231, 111.251, 111.252
127.242	Applied Valuation I	15	P Any 100-level paper; R 127.255
138.255	Engineering Principles in Food and Fibre Production	15	P Any 100-level paper; nil for GradDipRurStud

Option III: Core Papers for Māori Agribusiness

189.151	Soil Properties and Processes	15	R 189.142
119.281	Decision Tools for Primary Industries.	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil For Grad DipRurStud; R 111.231, 111.251, 111.252.

30 credits from:

117.152	Animals and Agriculture	15	R 117.151 and 199.101
283.101	Plants in Agriculture	15	R 171.102
284.101	Production Horticulture	15	R 171.127, 171.128

15 credits from:

127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
138.255	Engineering Principles in Food and Fibre Production	15	P any 100-level paper; nil for GradDipRurStud
152.261	International Business	15	P any 100-level paper

Schedule B – Specialisation Papers

Agricultural Economics Major

Compulsory Papers (45 credits)

178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120; and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220

Subject Papers

112.302	Food and Agribusiness Strategies	15	P 112.248
178.301	Advanced Microeconomics	15	P 178.201
178.350	International Economics	15	P 178.201 or 178.240 or 178.204
178.358	International Trade in Agri-Food Products	15	P Any 100-level Econ paper or 119.156 and any 200-level paper; R 178.357

178.360	Natural Resource and Environmental Economics	15	P Any 178.1xx paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or any 178.xxx paper; and any 15 credits at 200 level

Agricultural Economics Minor

Any combination of the major papers

Farm Management Major

Compulsory Papers (90 credits)

119.358	Agricultural Production Systems	15	P Students must have achieved 240 credits; C 119.381; R 119.357
119.381	Decision-Making in Primary Industry	15	P One of 111.231, 111.251, 119.281; R 111.351
119.382	Opportunity Analysis in Primary Industry	15	P 119.381

Maximum 15 credits from:

117.254	Principles of Animal Science and Production	15	P One of 117.141, 117.152, 119.154, 194.101, 199.101; nil for GradDipRurStud
285.201	Understanding Plant Protection	15	P 120.101 or 171.102 or 283.101 or 171.128 or 171.127 or 284.101; nil for GradDipRurStud; R 171.284

Maximum 15 credits from:

189.251	Soil Fertility and Fertilisers	15	P 189.151 or 189.142
189.252	Land, Soil and Water	15	P One of 189.151, 189.141, 189.142, 233.101

Maximum 15 credits from:

283.201	Pasture and Crop Agronomy	15	P Any 15 credits at 100 level; R 171.202
284.201	Horticultural Production Systems	15	P 171.128 or 171.127 or 284.101; nil for GradDipRurStud; R 171.227

Food Economies and Society Major

No new enrolments in this major from 2014.

Compulsory Paper (15 credits)

146.209	Food and Eating	15	P Any 100-level BA or 119.180 or 250.131
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Compulsory Paper (45 credits)

131.321	Strategies for Sustainable Development	15	P Any 200-level BA paper
145.311	Geographies of Globalisation	15	P Any 200 level BA or BSc paper
176.308	Sociology of the Environment	15	P Any 200-level BA paper
178.358	International Trade in Agri-food Products	15	P Any 100-level Econ paper or 119.156 and any 200-level paper; R 178.357

Subject papers

112.248	Food and Agribusiness Value Chains	15	P 119.180; nil for GradDipRurStud
119.258	Agricultural Systems	15	P One of 117.152 or 145.121; nil for GradDipRurStud
131.121	Rich World, Poor World	15	
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper; R 145.313

Food Economies and Society Minor

131.121, 131.321 and 146.209 and 15 credits from 145.213, 145.311 and 176.308.

Food Marketing and Retailing Major

Compulsory Paper (75 credits)

112.302	Food and Agribusiness Strategies	15	P 112.248
156.231	Strategic Marketing Management	15	P 115.104 or 156.200 R 156.701
156.232	Consumer Behaviour	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non- Business programmes; R 156.702
156.233	Marketing Research	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non- Business programmes; 115.101 or 161.110 (recommended); R 156.703
156.334	Marketing Planning	15	P 156.231 and 156.232

Subject Papers

156.333	Market Analysis	15	P 156.231 and 156.233
156.338	International Marketing	15	P 156.231 and 156.232

Food Marketing and Retailing Minor

Any combination of the major papers.

International Agribusiness Major

Compulsory Papers (45 credits)

112.301	International Food and Agribusiness Strategies	15	P 112.248; any 200-level paper GradDipRurStud
112.302	Food and Agribusiness Strategies	15	P 112.248
178.358	International Trade in Agri-food Products	15	P Any 100-level Econ paper or 119.156 and any 200-level paper; R 178.357

Compulsory Papers (45 credits)

125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre 2009), or 110.100 (pre 1997); 115.101 or 161.110 (recommended); R: 25.201
152.230	Entrepreneurship	15	P Any 100-level paper
152.263	Applied International Trade Management	15	P Any 100-level paper
156.231	Strategic Marketing Management	15	P 115.104 or 156.200; R 156.701
156.238	Marketing New Products	15	P 115.104 or 156.200
188.263	Environmental Science I	15	P 121.103

International Agribusiness Minor

112.302, 178.358 plus any combination of the major papers.

Māori Agribusiness Major

Compulsory Papers (90 credits)

119.381	Decision-Making in Primary Industry	15	P 119.281 or 111.250 or 111.231; R 111.351
235.211	Māori Agribusiness Systems	15	P any 100-level paper
235.311	Policy in Māori Agribusiness	15	P 150.201
235.312	Case Studies in Māori Agribusiness	15	P 235.211
150.201	Te Kawenata o Waitangi: the Treaty of Waitangi in NZ society	15	
152.370	Te Whanaketanga o te pakihi Māori; Advanced Māori business development and management	15	P 152.261 or any approved 200 level BBS paper

Māori Agribusiness Minor

235.211, 235.312 and any combination of the major papers

Rural Valuation Major

Compulsory Papers (90 credits)

119.381	Decision-Making in Primary Industry	15	P 119.281 or 111.250 or 111.231; R 111.351
119.382	Opportunity Analysis in Primary Industry	15	P 111.351 or 119.381; R 111.352, 127.355
127.356	Rural Valuation	15	P 127.242 or 127.255
132.221	Planning Studies	15	P Any 100-level BA or BBS paper

138.281	Building Technology: Construction and Design	15	P Any 100-level paper; nil for GradDipRurStud; R 138.254, 138.282
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700

Rural Valuation Minor

127.356 and any combination of the major papers.

The Degree of Bachelor of AgriScience BAgriScience

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

- To qualify for the Degree of Bachelor of AgriScience, candidates are required to gain at least 360 credits and to satisfy the requirement for practical work specified Schedule C.
- (a) No more than 165 credits may be at 100-level.
(b) At least 75 credits must be at 300-level.
- (a) The majors and their requirements are specified in Schedule A.
(b) The remaining papers should normally be from Schedule B.
(c) The Degree cannot be obtained without a major.
- A candidate may be credited with restricted passes in papers totalling up to 45 credits. A restricted pass shall not qualify as a pass for pre- and corequisite purposes, unless otherwise specified in the Schedules.
- Students who do not achieve the minimum acceptable grade for the written communication learning outcomes in 189.151 Soil Properties and Processes or 286.101 Equine Production or 284.101 Production Horticulture must complete 119.155 Communication in the Sciences or 219.100 Introduction to Business Communication.
- Candidates who, in the opinion of the Academic Board, have passed with sufficient merit subjects for either a New Zealand University Diploma in Farm Management or a New Zealand Diploma in Horticultural Management or subjects for some other recognised tertiary qualification may be cross-credited with specified or unspecified papers not exceeding a total of 120 credits.

Schedules to the Regulations for the Degree of Bachelor of AgriScience

Schedule A

Part I

List of compulsory papers for all Bachelor of AgriScience candidates.

115.106	Economics	15	R 178.101
119.153	Chemistry and Physics	15	R 123.101, 123.103, 124.100
119.154	Molecules to Ecology	15	R 162.101, 162.103
119.180	Introduction to Agribusiness	15	
119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101; R 111.231, 111.251
119.373	Integrative Studies	15	P 240 credits
119.381	Decision-Making in Primary Industry	15	P 119.281, or 111.251 or 111.231
138.255	Engineering Principles in Food and Fibre Production	15	P Any 100-level paper; nil for GradDipRurStud
145.121	Introduction to Physical Geography	15	
161.120	Introductory Statistics,	15	P A school mathematics background of Year 12 (NCEA Level 2) is recommended for 100-level Statistics papers; R 161.100, 161.110, 161.130, 115.101, 195.101

Or

161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
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Part II

Specific papers for each Bachelor of AgriScience degree major.

Bachelor of AgriScience (Agriculture)

117.152	Animals and Agriculture	15	R 117.151, 199.101
117.254	Principles of Animal Science and Production	15	P 117.152 or 199.101; nil for GradDipRurStud
119.258	Agricultural Systems	15	P 117.152 or 145.121; nil for GradDipRurStud
119.358	Agricultural Production Systems	15	P Students must have achieved 240 credits
189.151	Soil Properties and Processes	15	
189.251	Soil Fertility and Fertilisers	15	P 189.151
283.101	Plants in Agriculture	15	R 171.102
283.201	Pasture and Crop Agronomy	15	P Any 100-level paper; nil for GradDipRurStud; R 171.202

Two papers, from different subject areas (as denoted by prefix) from the following list:

117.371	Animal Production	15	P 117.254; R 117.351, 117.352, 117.353, 117.354, 117.355 and 117.346
117.381	Solving Problems in Animal Production	15	P 117.254
189.362	Soil Fertility and the Environment	15	P 189.251 or 189.252
189.363	Soil Resources and Sustainable Land Use	15	P 189.251 or 189.252 or 233.210 or 233.310
189.365	Studies in Soil Science	15	P 189.251 or 189.252
283.301	Pasture Production and Practice	15	P 171.202 or 283.201; R 171.301
283.305	Arable Production and Technology	15	P 171.202 or 283.201, or 120.101 or 171.102 or 283.101 plus any 200 level paper; R 171.305
283.311	Controlling Weeds	15	P 120.101 or 171.102 or 283.101, plus any 200 level paper; R 171.385
283.321	Trees on Farms	15	P Any 200 level paper; R 171.304

Majoring Requirements for Agriculture

To obtain a major in Agriculture, candidates need to complete all the 100- and 200-level papers listed in Schedule A Part II together with two papers at 300 level, one from each of two of the three subject areas listed.

Bachelor of AgriScience (Equine)

119.258	Agricultural Systems	15	P 117.152 or 145.121; nil for GradDipRurStud
119.358	Agricultural Production Systems	15	P Students must have achieved 240 credits
283.101	Plants in Agriculture	15	R 171.102
286.101	Equine Production	15	R 117.154
286.131	Introduction to Equine Nutrition and Health	15	R 117.161
286.211	Equine Reproduction and Breeding	15	P Any 100-level paper; nil for GradDipRurStud; R 117.258
286.221	Structure and Function of the Equine Athlete	15	P 119.154 or 286.131 or 117.161 or 214.171 or 234.120; nil for GradDipRurStud; R 117.259
286.222	The Equine Lower Limb	15	P 286.131 or 117.161; nil for GradDipRurStud; R 117.260

286.251	Equine Behaviour, Training and Welfare	15	R 117.256
286.321	Responses to Training in the Equine Athlete	15	P 286.221 or 117.259; R 117.359

Majoring Requirements for Equine

To obtain a major in Equine, candidates need to complete all the 100, 200 and 300 level papers listed in Schedule A Part II.

Bachelor of AgriScience (Horticulture)

112.248	Food and Agribusiness Value Chains	15	P 119.180; nil for GradDipRurStud
120.101	Biology of Plants	15	
189.151	Soil Properties and Processes	15	
189.251	Soil Fertility and Fertilisers	15	P 189.151
284.101	Production Horticulture	15	R 171.127, 171.128
284.201	Horticultural Production Systems	15	P 171.128 or 171.127 or 284.101; nil for GradDipRurStud; R 171.227
284.301	Horticultural Crop Development and Yield	15	P 171.227 or 284.201; R 171.351
284.342	Horticultural Productivity and Quality	15	P 171.227 or 284.201; R 171.352

285.201	Understanding Plant Protection	15	P 120.101 or 171.102 or 283.101 or 171.128 or 171.127 or 284.101; nil for GradDipRurStud
285.301	Controlling Plant Pests and Diseases	15	P 171.284 or 285.201 or 171.202, 283.201; R 171.387

Majoring Requirements for Horticulture

To obtain a major in Horticulture, candidates need to complete all the 100-, 200- and 300-level papers listed in Schedule A Part II.

Schedule B

An approved selection of 200 and 300 level papers listed in the schedules to following degree programmes:

BAGriScience, BAgriCommerce and BSc.

Schedule C

Practical Work Requirements

Candidates must complete to the satisfaction of the Academic Board two 13 week periods of practical work experience reported on in papers 119.150 and 119.250 and a total of not less than 26 weeks of approved practical work experience.

119.150	Practicum I	0	
119.250	Practicum II	0	P 119.150

The Degree of Bachelor of Applied Economics BAppEcon

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- Candidates for the Degree of Bachelor of Applied Economics shall follow a personal course of study which shall consist of papers totalling at least 360 credits with:
 - not more than 180 credits at the 100-level; and
 - at least 270 credits, including at least 90 credits at the 300-level, must be taken from the Schedule to the Degree of Bachelor of Applied Economics.
- Every course of study shall include the following compulsory papers:
 - Economics (90 credits)
115.106, 178.100, 178.200, 178.201; 178.300 or 178.308; 178.301 or 178.307.
 - Numeracy (60 credits)
160.103 or 160.131; 115.101 or 161.120; 178.280 and 178.380.
 - Business Communication (15 credits)
219.100 or 230.100.
- Candidates may complete the requirements for a minor subject.
 - A minor subject must include a minimum of 60 credits, including at least 45 credits above 100-level and at least 15 credits at 300-level, from one subject area.
 - The requirements for minors in the BAppEcon degree are set out in the Schedule for the BAppEcon degree.
- The remaining credits can be taken from a selection of elective papers, which shall contain papers from the Schedule to the Degree of Bachelor of Applied Economics, and approved papers from any other degree course.
- Candidates may credit to the BAppEcon course no more than 45 credits in which they have gained an R (restricted pass). A restricted pass shall not qualify as a pass for corequisite or prerequisite purposes.

Schedule to the Degree of Bachelor of Applied Economics

112.248	Food and Agribusiness Value Chains	15	P 119.180, nil for GradDipRural Stud
112.302	Food and Agribusiness Strategies	15	P 112.248
115.101	Statistics for Business	15	R 195.101, 161.100, 161.110, 161.120 and 161.130
115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	R 155.100
115.104	Principles of Marketing	15	R 156.100
115.106	Economics	15	R 178.101
115.107	Management Information Systems	15	R 157.100
115.108	Organisations and Management	15	R 152.100
160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period.
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period.
161.120	Introductory Statistics	15	P A school mathematics background of Year 12 (NCEA Level 2) is recommended for 100-level Statistics papers; R 115.101, 161.100, 161.110, 161.130, 195.101
178.100	Principles of Macroeconomics	15	
178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101
178.221	Methods of Economic Analysis	15	P 115.106 or any 178.1xx paper
178.242	Land Economics	15	P any 100-level Econ paper
178.250	Contemporary Economic Issues	15	P any 100-level paper

178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120, and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201
178.307	Markets, Firms and Consumers	15	P 178.201 or 178.204 or 125.230; or (115.106 or 178.101) and 178.280
178.308	Economic Analysis of Money, Banking and Financial Markets	15	P 15 credits of 178.2xx; R 178.300
178.328	Project Evaluation	15	P any 100-level Econ paper and any 200-level paper
178.350	International Economics	15	P 178.201 or 178.240 or 178.204
178.358	International Trade in Agri-food Products	15	P any 100-level Econ paper or 119.156 and any 200-level paper
178.360	Natural Resource and Environmental Economics	15	P any 100-level Econ paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or any 178.xxx paper; and any 15 credits at 200-level
178.380	Applied Econometrics	15	P 178.220 or 178.280; R 178.321, 178.320
219.100	Introduction to Business Communication	15	R 14.100, 14.253, 219.203
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130

Notes

A student who has passed 160.101 may not also be credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period.

Minor requirements

Accountancy Minor and Schedule

At least 60 credits from 110.xxx papers in the Schedule below, including at least 45 credits above 100-level and at least 15 credits at 300-level.

110.109	Introductory Financial Accounting	15	P 110.100 or 115.102; C 115.102; R 10.110, 110.213 (1999), 110.215; R 110.230
110.209	Intermediate Financial Accounting	15	P 110.109 or 110.215 or 110.230; R 10.210, 10.213 (pre-1999), 110.313
110.229	Management Accounting	15	P 110.109 or 110.215 or 110.230; R 110.200, 10.220, 110.223
110.249	Accounting Information Systems	15	P 110.109 or 110.215 or 110.230; and 115.107 or 157.100 or PHOS; R 110.243, 10.240

110.309	Advanced Financial Accounting	15	P 110.209 or 110.313; R 10.310, 110.713
110.329	Advanced Management Accounting	15	P 110.229 or 110.223; R 10.320, 110.723
110.349	Advanced Accounting Information Systems	15	P 110.249 or 110.243; R 110.743

Finance Minor and Schedule

At least 60 credits from 125.xxx papers in the Schedule below including at least 45 credits above 100-level and at least 15 credits at 300-level.

Note: Paper 115.105 will count as a 125 prefix paper for the purpose of this minor.

115.105	Fundamentals of Finance	15	R 125.100
125.220	Financial Institutions and Markets	15	P 115.105 or 125.100 recommended; R 125.221, 125.231, 125.261
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 pre-2009 or 110.100 pre-1997; 115.101 or 161.110 recommended; R 125.201
125.241	Introduction to Investments	15	P 115.105 or 125.100; R 125.240
125.320	International Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
125.330	Advanced Business Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
125.340	Investment Analysis	15	P 125.230; and either 125.220 or 125.241; R 125.342
125.350	Financial Risk Management	15	P 125.230; and either 125.220 or 125.241
125.364	Bank Financial Management	15	P 115.105 and 125.220; R 125.360, 125.361, 125.362, 125.363

Valuation and Property Management Minor and Schedule

At least 60 credits from 127.xxx papers in the Schedule below, including at least 45 credits above 100-level and at least 15 credits at 300-level.

127.241	Real Estate Valuation and Management	15	P any 100-level paper; R 127.243
127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
127.341	Property Management and Development	15	P 127.241 or P 127.243 or P 127.244
127.342	Real Estate Investments	15	P 127.241 and (127.242 or PHOS)

The Degree of Bachelor of Applied Science BApplSc

No new enrolments from 2009

Students first enrolled in this programme in 2008 may continue under the regulations in the 2008 calendar. Other students interested in the area of applied sciences should refer to the BAgricommerce and BAgriscience.

The Degree of Bachelor of Arts BA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. There are no admission requirements specific to this qualification.

Course of Study

2. The Bachelor of Arts (BA) degree consists of at least 360 credits of study with:
 - (a) not more than 165 credits from 100-level papers;
 - (b) at least 75 credits from 300-level papers;
 - (c) at least 240 credits from the Schedule for the degree of Bachelor of Arts.
3. Candidates must pass a paper in written communication from Part I of the BA Schedule, normally within the first 120 credits of study towards the degree. Candidates who have been awarded a degree from a recognised tertiary institution, or who have passed an equivalent paper

at a recognised tertiary institution, may apply for exemption from this requirement.

Majors

4. Candidates must complete the requirements for at least one major subject.

- (a) For all majors except Business Psychology, candidates must pass at least 135 credits in the major subject, including at least 15 credits at 100-level, at least 30 credits at 200-level, and at least 60 credits at 300-level.
- (b) For the Business Psychology major, candidates must pass at least 195 credits, including 30-credits at 100-level, 75 credits at 200-level, and 90 credits at 300-level.
- (c) The requirements for each major are set out in Part II of the BA schedule.
- (d) Subject to the approval of Academic Board, a candidate may substitute up to 15 300-level credits from a related subject for equivalent 300-level credits in the major subject.

Double Majors

5. Candidates may complete a double major by:

- (a) Passing at least 120 credits in each of two majoring subjects listed in Part II of the BA Schedule, including at least 45 credits at 300-level exclusive to each major; and
- (b) Meeting all other majoring requirements in each of two majoring subjects listed in Part II of the BA schedule.
- (c) No paper may be credited to more than one major.
- (d) Business Psychology is not normally available as part of a double major.

Minors

6. Candidates may complete the requirements for a minor subject. Candidates may complete a maximum of two minor subjects. The minor(s) must be in a different subject area from the major(s).

- (a) The subjects available as minors within the BA degree, and the requirements for those minors, are specified in Part II of the BA Schedule.
- (b) Minor subjects may also be selected from the Bachelor of Business Studies and the Bachelor of Science degrees.
- (c) Where a minor is included from the Bachelor of Business Studies or the Bachelor of Science degree:
 - (i) the regulations of the Bachelor of Business Studies or the Bachelor of Science for the minor subject will apply; except that
 - (ii) where the same minor subject is also offered in the Bachelor of Arts degree, the regulations of the Bachelor of Arts for the minor subject will apply.
- (d) No paper may be credited to both a major subject and a minor subject, and no paper may be credited to more than one minor subject.
- (e) Subject to the approval of Academic Board, a candidate may substitute up to 15 credits from a related subject for equivalent credits in the minor subject.

Schedule for the Degree of Bachelor of Arts

Part I: Written Communication Requirement

All students must pass one of the following papers, or an approved alternative, normally within the first 120 credits of study:

230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
192.102	Academic Writing in English for Speakers of Other Languages	15	Note

Note

Students whose prior education was not in English should normally take 192.102.

Part II: Major and Minor Requirements

Asian Studies

135.101	Hinduism and Buddhism	15
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135.104	Introduction to Sanskrit	15	
241.101	Chinese 1A	15	R 241.102, 241.201, 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 3
241.102	Chinese 1B	15	P 241.101 or PHOS; R 241.201, 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 3
241.103	Chinese Cultural World	15	R 169.143
241.105	Business Chinese	15	R 169.254, 201.205;
241.106	Chinese for Heritage Speakers A	15	P Chinese heritage or non-native (L2) intermediate proficiency or PHOS; Notes 1, 4, 5, 7; R 241.101, 241.102, 241.201, 241.202, 241.301
242.101	Japanese 1A	15	R 242.102, 242.201, 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307. This paper is not suitable for native speakers of Japanese, discuss options with the Head of School or Programme Coordinator
242.102	Japanese 1B	15	P 242.101 or PHOS; R 242.201, 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator
242.103	Introduction to Japanese Culture	15	R 169.123
134.215	Asian Philosophies	15	P Any 100-level BA paper; R 134.315
135.204	East Asian Religions	15	P Any 100-level BA paper; R 135.304
135.210	Islam: Religion and Society	15	P Any 100-level BA paper
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
241.201	Chinese 2A	15	P 241.102 or 169.141 and 169.142 or PHOS; R 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 3
241.202	Chinese 2B	15	P 241.201 or PHOS; R 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 3
241.206	Chinese for Heritage Speakers B	15	P 241.106 or pre-advanced non-native (L2) proficiency; Notes 1, 4, 6, 7; R 241.101, 241.102, 241.201, 241.202, 241.301, 241.302;
241.203	20th Century Chinese Literature and Society	15	R 169.243
241.204	Chinese Film	15	P Any 100-level BA paper; R 169.244
242.201	Japanese 2A	15	P 242.102 or 169.121 and 169.122 or PHOS; R 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator
242.202	Japanese 2B	15	P 242.201 or PHOS; R 242.301, 242.302, 242.304, 242.305, 242.306, 242.307. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator.
242.203	Japanese Language and Society	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.224
242.205	Japanese Cinema	15	P Any 100-level BA paper; R 169.227
135.305	Religious Writings	15	P Any two 200-level papers, at least one of which must be in Religious Studies; R 135.205
146.302	Regional Ethnography: Asia	15	P Any 200-level BA paper
146.311	Medical Systems of China, India and the West	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
200.302	Israel/Palestine and the Arab World	15	P Any 200-level BA paper
241.304	Chinese Grammar	15	P 241.241 and 241.242 or 169.241 and 169.242 or PHOS, Note 2; R 169.344

241.305	Translation from and into Chinese	15	P 241.241 and 241.242 or 169.241 and 169.242 or PHOS, Note 2; R 169.343
242.304	Reading and Writing about Current Japan	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.324
242.305	Readings in Modern Japanese Literature	15	P 242.202 or 169.221 and 169.222 or PHOS; C 242.301 and 242.302 or PHOS; R 169.326

Notes

1. Not suitable for native speakers of Chinese.
2. Suitable for native speakers of Chinese.
3. Not suitable for heritage speakers.
4. Heritage speakers typically possess aural and oral skills but limited reading and writing skills. The term refers to those (1) born in a Chinese-speaking country but who received limited formal education in that country up to the second grade, or (2) who were born in a non-Chinese-speaking country but raised in a home where Mandarin (or Mandarin and another dialect) was spoken and possess limited reading and writing skills in Chinese.
5. Intermediate non-native (L2) proficiency refers to students with Chinese NCEA Level 2, or those with up to two years' formal study in China.
6. Pre-advanced non-native (L2) proficiency refers to students with Chinese NCEA Level 3, or those with up to three years' formal study in China.

Major Requirements

Asian Studies is not available as a major subject.

Minor Requirements

A minor consists of 75 credits in Asian Studies, including at least 45 credits above 100-level and at least 15 credits at 300-level from the Asian Studies schedule. The minor must include at least 45 credits from prefixes 134, 135, 146, 200.

Business Psychology

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	
114.241	Managing Human Resources	15	P Any 100-level paper
152.200	Contemporary Management	15	P Any 100-level paper
175.201	Social Psychology	15	P Any 100-level BA paper
175.203	Introduction to Psychological Research	15	P 175.102
175.205	Brain and Behaviour	15	P 175.102
175.206	Memory and Cognition	15	P 175.102
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA paper; R 175.312
114.326	Human Resource Practices	15	P 114.241
114.330	Equity and Diversity in the Workplace	15	P Any 200-level paper
114.350	Current Issues in Human Resource Management	15	P 114.240, or 114.241 or 114.254
114.396	Strategic Human Resource Management	15	P 114.241
152.304	Managing Services	15	P Any two papers at 200-level
152.336	Leadership	15	R 152.328, 152.329
152.360	Change Management	15	P any 200-level paper; R 152.303, 152.341
175.301	Community Psychology	15	P 175.203
175.302	Abnormal and Therapeutic Psychology	15	P 175.203
175.303	The Practice of Psychological Research	15	P 175.203
175.306	Assessment of Individual Differences	15	P 175.203
175.309	Forensic Psychology	15	P 175.203
175.311	Psychology of Women	15	P 175.203
175.316	Evolution, Culture and Mind	15	P 175.203, R 175.202 (1998–2001 only)
175.317	Health Psychology	15	P 175.203

175.318	Experimental Psychology	15	P 175.203, 175.205, 175.206, Note 2
175.343	Personnel Psychology and Career Development	15	P 175.203, R 175.344
175.345	Organisational Psychology	15	P 175.203, R 175.344

Notes

1. All papers scheduled with prefixes 114 and 152 are included in the maximum of 120 credits permitted from the Schedules for other degrees under BA degree Regulation 2(c).
2. Students who have passed 175.203 and either 175.205 or 175.206 may be permitted to take the third prerequisite as a co-requisite.

Majoring Requirements

A major in Business Psychology consists of 195 credits, including 175.101, 175.102; 45 credits from 200-level Psychology papers, including 175.201 and 175.203; 30 credits consisting of 114.241 and 152.200; 60 credits from 300-level Psychology papers, including 30 credits from 175.306, 175.343, 175.345; and 30 credits from 114.326, 114.330, 114.350, 114.396, 152.304, 152.336 and 152.360.

Minor Requirements

Business Psychology is not available as a minor subject.

Chinese

241.101	Chinese 1A	15	R 241.102, 241.201, 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Note 1
241.102	Chinese 1B	15	P 241.101 or PHOS; R 241.201, 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Note 1
241.103	Chinese Cultural World	15	R 169.143
241.105	Business Chinese	15	R 169.254, 241.205;
241.106	Chinese for Heritage Speakers A	15	P Chinese heritage or non-native (L2) intermediate proficiency; Notes 2-4; R 241.101, 241.102, 241.201, 241.202, 241.301. Not suitable for Chinese native speakers.
241.201	Chinese 2A	15	P 241.102 or 169.141 and 169.142 or PHOS; R 241.202, 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 5
241.202	Chinese 2B	15	P 241.201 or PHOS; R 241.301, 241.302, 241.304, 241.305, 241.306; Notes 1, 6
241.203	20th Century Chinese Literature and Society	15	R 169.243
241.204	Chinese Film	15	P Any 100-level BA paper; R 169.244
241.206	Chinese for Heritage Speakers B	15	P 241.106 or equivalent proficiency; Notes 2, 4, 8; R 241.101, 241.102, 241.201, 241.202, 241.301, 241.302. Not suitable for Chinese native speakers.
241.301	Chinese 3A	15	P 241.202 or 241.241 and 241.242 or PHOS; R 241.302; Notes 1, 8
241.302	Chinese 3B	15	P 241.301 or PHOS; R 241.341, 241.342, 169.341, 169.342; Notes 1, 9
241.304	Chinese Grammar	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.344
241.305	Translation from and into Chinese	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.343
241.395	Individual Research Project II in Chinese Studies	15	PHOS; R 169.397

Notes

1. Not suitable for native speakers of Chinese. Please discuss other options with the Head of School or Programme Coordinator.
2. Heritage speakers typically possess aural and oral skills but limited reading and writing skills. The term refers to those (1) born in a Chinese-speaking country but who received limited formal education in that country up to the second grade, or (2) who were born in a non-Chinese-speaking country but raised in a home where Mandarin (or Mandarin and another dialect) was spoken and possess limited reading and writing skills in Chinese.

3. Intermediate non-native (L2) proficiency refers to students with Chinese NCEA Level 2, or those with up to two years' formal study in China.
4. Students enrolling for the first time must complete the Chinese Language Ability Declaration. The form can be found at: <http://www.massey.ac.nz/?c39c55915n>.
5. Suitable for heritage learners with a knowledge of about 300 (approx) characters.
6. Suitable for heritage learners with a knowledge of about 450 (approx) characters.
7. Pre-advanced non-native (L2) proficiency refers to students with Chinese NCEA Level 3, or those with up to three years' formal study in China.
8. Suitable for heritage learners of Chinese who possess a knowledge of 600 (approx) characters.
9. Suitable for heritage learners of Chinese with a knowledge of 750 (approx) characters.

Majoring Requirements

A major consists of 135 credits in Chinese, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the Chinese schedule. All majors must include at least one of 241.103 or 241.203.

Minor Requirements

A minor consists of 75 credits in Chinese, including 15 credits at 300-level; 30 credits at 200-and/or 300-level, and 30 credits at any level from the Chinese schedule.

Classical Studies

134.102	Great Western Philosophy	15	
135.103	Magic and Witchcraft	15	
201.112	Greek History	15	
201.113	Greek Mythology	15	
201.114	Early Rome	15	
201.115	Introductory Latin	15	
201.116	Latin	15	P 201.115
201.117	Greek and Roman Warfare	15	
201.119	Ancient Sport and Entertainment	15	
135.201	Ancient Religions	15	P Any 100-level BA paper
135.211	Jesus and His World	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
201.201	The Pursuit of Happiness in the Classical World	15	P Any 100-level BA paper
201.211	Love and Sexuality in Ancient Greece	15	P Any 100-level BA paper
201.216	The Trojan War	15	P Any 100-level BA paper
201.218	Greek and Roman Religion	15	P Any 100-level BA paper
201.219	Greek Art and Society	15	P Any 100-level BA paper
201.220	Roman Art and Society	15	P Any 100-level BA paper
134.309	Ancient Philosophy	15	P Any two 200-level papers, at least one of which is in Philosophy or 201.201
201.313	Myth and Greek Tragedy	15	P Any 200-level BA paper
201.314	Imperial Rome	15	P Any 200-level BA paper
201.318	Greek and Roman Religion	15	P Any 200-level BA paper
201.319	Greek Art and Society	15	P Any 200-level BA paper
201.320	Roman Art and Society	15	P Any 200-level BA paper

Note

No student may enrol for a paper in Classical Studies with the same title as one for which credit has already been given.

Majoring Requirements

A major consists of 135 credits in Classical Studies, including 15 credits 201-prefix at 100-level; 30 credits 201-prefix at 200-level; 60 credits 201-prefix at 300-level and 30 credits at any level from 134-, 135- and 200-prefix papers in the Classical Studies schedule.

Minor Requirements

A minor consists of 75 credits in Classical Studies, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Classical Studies schedule. The minor must include at least 60-credits from 201-prefix papers.

Defence Studies

149.100	Fundamentals of Command	15	
149.110	Introduction to Logistics	15	
149.140	An Introduction to Military Operations	15	
149.151	An Introduction to the History of Modern Warfare	15	R 148.151
149.210	Intermediate Logistics	15	P 149.110
149.230	Military Law	15	P Any 100-level BA paper
149.245	Irregular Warfare	15	P Any 100-level paper in the schedule of Defence Studies
148.251	A Military History of the First World War	15	P Any 100-level BA paper
149.265	Maritime Strategy	15	P Any 100-level BA paper
190.240	Air Power	15	P Any 100-level paper
149.300	Current Issues in Command Studies	15	P 149.100 and any 200-level BA paper
149.325	International Peacekeeping	15	P Any 200-level BA paper
149.335	Law of Armed Conflict	15	P Any 200-level BA paper
149.340	Operational Art and Strategy	15	P Any 200-level 149 prefix paper
149.350	The History of Defence and Security Intelligence	15	P Any 200-level BA paper
149.360	Defence and Security Technology	15	P 149.151 or 149.180; and any 200-level 149-prefix paper; R 149.160
149.370	Psychology of Evidence in the Security Environment	15	P Any 200 level BA or BDefStud paper
149.375	Introductory Applied Research Internship	30	P Students must have completed 240 credits in the BA degree and have a B+ or better average in their 200 and 300 level papers

Note

Not all papers will be offered every year or in every mode or location.

Majoring Requirements

A major consists of 135 credits in Defence Studies including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the Defence Studies schedule.

Minor Requirements

A minor consists of 75 credits in Defence Studies, including 15 credits at 300-level; 30 credits at 200-and/or 300-level; and 30 credits at any level from the Defence Studies schedule.

Development Studies

131.121	Rich World, Poor World	15	
132.112	Planning for Sustainable Development	15	
146.102	Endangered Cultures	15	
131.221	Contemporary Development Issues	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
150.213	Tikanga-ā-lwi: Tribal Development	15	P 150.114 or 146.101
176.219	The Transformation of the Pacific: Central Themes	15	P Any two 100-level papers, at least one of which is from the BA schedule
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
121.311	Global Environmental Issues	15	P 121.103 or equivalent knowledge
131.321	Strategies for Sustainable Development	15	P Any 200-level BA paper
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
146.313	Issues in South Pacific Anthropology	15	P Any 200-level BA paper
146.318	Environmental Anthropology	15	P Any 200-level BA paper
176.309	Development and Social Change: Contemporary Issues	15	P Any 200-level BA paper

176.323	The Transformation of the Pacific: Contemporary Issues	15	P Any 200-level Sociology paper
179.330	Māori Development and the Social Services	15	P Any 200-level BA paper
200.301	Contemporary International Conflict	15	P Any 200-level BA paper

Majoring Requirements

Development Studies is not available as a major subject.

Minor Requirements

A minor consists of 75 credits in Development Studies, including 131.121, 131.221, 131.321; at least one of 150.213, 145.311 or 146.318 and 15 credits at any level from the Development Studies schedule.

Economics

115.106	Economics	15	R 178.101
178.100	Principles of Macroeconomics	15	
178.110	The New Zealand Economy	15	
148.205	New Zealand Politics Since 1890	15	P any 100-level BA paper, R 178.211
178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.210	Economic Policy	15	P 178.100 or 178.110
178.221	Methods of Economic Analysis	15	P 115.106 or any 100-level Economics paper
178.240	Managerial Economics	15	P 115.106 or 178.101
178.242	Land Economics	15	P Any 100-level Economics paper or 115.106
178.250	Contemporary Economic Issues	15	P Any 100-level paper
178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120 and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201
178.307	Markets, Firms and Consumers	15	P 178.201 or 178.204 or 125.230; or (115.106 or 178.101) and 178.280
178.308	Economic Analysis of Money, Banking and Financial Markets	15	P 15 credits of 178.2xx; R 178.300
178.328	Project Evaluation	15	P any 100-level Economics paper and any 200-level paper
178.350	International Economics	15	P 178.201 or 178.240 or 178.204
178.358	International Trade in Agri-food Products	15	P Any 100-level Economics paper or 119.156 and any 200-level paper; R 178.357
178.360	Natural Resource and Environmental Economics	15	P Any 100-level Economics paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or 178.xxx and any 15 credits at 200-level

Notes

Students without Mathematics with Calculus at Bursary level or NCEA Level 3 are recommended to take paper 160.103. This is especially so if contemplating postgraduate studies in Economics.

Majoring Requirements

A major consists of 135 credits in Economics, including 115.106, 178.100, 178.200 and 178.201; 60 credits at 300-level, including at least one of 178.300, 178.308, 178.360 or 178.370, and 15 credits at any level from the Economics schedule.

Minor Requirements

A minor consists of 75 credits in Economics, including 115.106, 178.100; 15 credits at 300-level, and 30 credits at 200- and/or 300-level from the Economics schedule.

Education

254.101	An Introduction to Social and Cultural Studies in Education	15	R 187.101
254.103	Learning in the Digital Age	15	R 186.103
275.102	Human Development	15	R 209.102
254.201	Philosophy of Education I	15	P Any 100-level paper; R 187.201
254.203	Sociology of Education	15	P Any 100-level paper; R 187.203
256.201	Educational Psychology	15	P Any 100 level paper, R 186.201, 186.230; Note 2

265.293	Studies in Infants and Toddlers	15	P One of 186.120, 187.101, 209.102, 254.101, 265.120 or 275.102 R 186.293
275.202	Development through Relationships	15	P 275.102 or 209.102; R 209.202, Note 2
275.208	Adolescent Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102, R 209.208, 208.208, 208.308, 209.308, 275.308
275.237	Narrative in Human Development	15	P 275.102 or 209.102; R 209.237, Note 2
254.301	Philosophy of Education II	15	P Any 200-level paper; R 187.301
254.303	Advanced Sociology of Education	15	P Any 200-level paper; R 187.303
254.304	Educational Theory	15	P Any 200-level Education paper; R 187.304, 278.363
263.301	Learning and Motivation	15	P Any 200-level paper; R 186.301, Note 1
265.322	Perspectives in Early Years Education	15	P Any 200-level paper; R 186.322
267.390	Educational Research Methods	15	P Any 200-level paper; R 187.390
269.332	Maori Issues in Education	15	P Any 200-level BA paper; R 182.332
269.373	Ethnic Relations and Education	15	P Any 200-level paper; R 182.373
275.307	Infants in Families	15	P 275.202 or 209.202 or 209.309, R 209.307; Note 2

Notes

1. Students may not credit both 263.301 Learning and Motivation and 186.301 Psychology of Education (formerly 136.302).
2. Prerequisite requirements may be waived in the case of students with appropriate credits in other subjects.
3. Students may not credit both 256.201 and 186.230 unless credit for 186.230 was attained prior to 1999.

Majoring Requirements

A major consists of 135 credits in Education, including 254.101 and 275.102; 30 credits at the 200-level, including at least one of 256.201, 254.201, 254.203 or 275.202; 60 credits at the 300-level including 267.390, and 15 credits at any level from the Education schedule.

Minor Requirements

A minor consists of 75 credits in Education, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Education schedule.

Educational Psychology

175.102	Psychology as a Natural Science	15	
275.102	Human Development	15	R 209.102
175.201	Social Psychology	15	P any 100-level BA paper
175.203	Introduction to Psychological Research	15	P 175.102
175.205	Brain and Behaviour	15	P 175.102
175.206	Memory and Cognition	15	P 175.102
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA or BHlthSc or BSc paper; R 175.312
249.284	Introduction to Special Education and Inclusive Education	15	P Any 100-level Education paper; R 186.284
249.287	Early Intervention	15	P Any 100-level Education paper; R 186.287
256.201	Educational Psychology	15	P Any 100-level paper; R 186.201
175.306	Assessment of Individual Differences	15	P 175.203
249.384	Consultation and Collaboration in Inclusive Education	15	P Any 200-level Education paper; R 186.384
256.303	Sustainable Learning	15	P 256.201
256.304	Positive Behaviour for Learning	15	P 256.201
258.301	Language, Literacy and Cognitive Development	15	P Any 200-level Education paper
263.301	Learning and Motivation	15	P Any 200-level Education paper; R 186.301
263.331	Assessment of Learning	15	P Any 200-level Education paper; R 186.331

Majoring Requirements

A major consists of 135 credits, including 275.102, 175.102, 175.203, 256.201, 175.306, 256.303, 256.304; and at least one of 249.284, 249.287, 175.201, 175.205, 175.206, 175.210; and at least one of 263.331, 249.384, 263.301, 258.301.

Minor Requirements

A minor consists of 75 credits, including 175.102, 275.102, 175.203, 256.201 and one of 175.306, 256.303 or 256.304.

Note

The following are recommended as elective papers: 175.101, 175.302.

English

139.104	Drama in Performance	15	
139.105	Fiction: The Long and Short of It	15	
139.122	Contemporary Literary Forms of Aotearoa New Zealand	15	
139.123	Creative Writing	15	
139.139	Introduction to English Studies	15	R 139.101, 139.171
139.142	Mythology and Fantasy	15	
139.171	Introduction to Literary and Cultural Studies	15	R 139.101, 139.139
154.108	Reading the Media	15	R 139.108, 154.103
139.201	Early Modern Verse and Drama: Sex, Death, and the City	15	P Any 100-level English paper
139.202	Romantic Writing: Self and Nature	15	P Any 100-level English paper
139.208	Literacy Practices in Context	15	P Any 100-level 139 prefix paper or any one of 230.100, 119.155, 119.177, 228.111, 141.111, 219.100, 192.102, 237.130, PHOS
139.209	Speaking: Theory and Practice	15	P Any 100-level BA paper, or any one of 119.155, 206.101, 206.104, 206.105 or 270.105, 219.100, 237.130 PERF135, PERF136, PERF235, PERF236
139.210	Rewriting Classic Fiction	15	P Any 100-level English paper
139.220	Applied Theatre: Theatre for Social Change	15	P Any 100-level BA paper, or 237.130
139.223	Creative Processes	15	P Any 100-level BA paper; or any one of 152.230, 152.334, 206.102, 206.110 or 270.110, 237.130
139.224	Making Plays for Theatre	15	P Any 100-level BA paper; or any one of 237.130 or 206.222
139.225	Writing for Children	15	
139.226	Life Writing	15	P Any 100-level BA paper; or any one of 237.130, 206.206, 206.207
139.229	Writing Poetry	15	P 139.123 or 139.133
139.230	Writing Centre Theory and Practice	15	PHOS
139.231	Health Writing: Theory and Practice	15	P 230.100 or 119.155 or 119.177 or 192.102 or 219.100
139.242	Medieval Worlds	15	P Any 100-level English paper
139.253	The American Short Story	15	P Any 100-level English paper, R 139.353
139.254	Literature and Nationalism in Modern Ireland	15	P Any 100-level English paper
139.255	Critical Periods in Aotearoa New Zealand Literature	15	P Any 100-level English paper
139.272	Auckland Writers and Their Region	15	P Any 100-level English paper
139.275	Gothic	15	P Any 100-level English or Media Studies paper
139.301	Shakespeare's Worlds	15	
139.303	Modern Drama	15	P Any 200-level English paper
139.304	Literature and Society in Early Modern England	15	P Any 200-level English paper, R 139.204
139.307	The Victorian Novel: Territory, Modernity, Settlement	15	P Any 200-level English paper
139.305	Twentieth Century Literature	15	P Any 200-level English paper
139.320	Theatre in Production	15	P Any one of 139.220, 139.223, 139.224, 139.303, 224.204 or 224.304 or any 200-level 133 prefix paper

139.323	Media Script Writing	15	P Any 200-level English or Media Studies paper
139.326	Travel Writing	15	P Any 200-level BA paper; or any one of 206.206 or 270.206, 206.207, 219.202, 219.204, 219.231, 237.230
139.327	Writing Creative Nonfiction	15	P Any 200-level BA paper or any one of the following: 219.202, 219.204, 219.209, 219.231, 237.230
139.329	Advanced Fiction Writing	15	P 139.123 or 139.133 and any 200-level 139-prefix paper
139.330	Writing Centre Practicum	15	P 139.230
139.352	Postcolonial Literature	15	P Any 200-level English paper
139.361	The Literature of Women	15	P Any 200-level English or Women's Studies paper, R 139.261
139.374	Tragedy	15	P Any 200-level BA paper
139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
154.308	Screen Fictions	15	P Any 200-level English or Media Studies paper

Majoring Requirements

A major consists of 135 credits in English, including either 139.139 or 139.171; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the English schedule.

Minor Requirements

A minor consists of 75 credits in English, including either 139.139 or 139.171; 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 15 credits at any level from the English schedule.

Environmental Studies

121.103	New Zealand Environments	15	
132.111	Planning and the Environment	15	
132.112	Planning for Sustainable Development	15	
145.111	Society, Environment and Place	15	
146.102	Endangered Cultures	15	
176.102	New Zealand Society	15	R 176.104
121.211	New Zealand Environmental Issues	15	P 121.103, 145.111 or 228.111;
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper, R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
250.232	Global Health: The Importance of Sustainable Environments	30	P 45 credits at 100-level
121.311	Global Environmental Issues	15	P 121.103 or equivalent knowledge,
131.321	Strategies for Sustainable Development	15	P Any 200-level BA paper
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
146.318	Environmental Anthropology	15	P Any two 200-level papers, at least one of which is from the BA schedule
176.308	Sociology of the Environment	15	P Any 200-level BA paper

Majoring Requirements

A major consists of 135 credits in Environmental Studies, including 145.111, 121.211, 176.206, 176.308; a further 45 credits at 300 level, and 30 credits at any level from the Environmental Studies schedule.

Minor Requirements

A minor consists of 75 credits in Environmental Studies, including 145.111, 121.211, 176.308; 15 credits at 200- or 300-level and 15 credits at any level from the Environmental Studies schedule.

French

243.101	Introductory French Language I	15	R 243.102, 243.201, 243.202, 243.301
243.102	Introductory French Language II	15	P 243.101 or 164.106 or equivalent level; R 243.201, 243.202, 243.301
243.201	Intermediate French Language I	15	P 243.102 or 164.107 or equivalent level; R 243.202, 243.301

243.202	Intermediate French Language II	15	P 243.201 or 164.101 or 164.200 or equivalent level; R 243.301
243.301	Advanced French Language	15	P 243.202 or 164.201; R 164.301
243.304	Contemporary French Popular Culture	15	P 243.301 or 164.301; R 164.307
243.305	Close Encounters: Connections between France and New Zealand	15	P 243.301

Majoring Requirements

No new enrolments in this major from 2008 onwards. Students enrolled for this major in 2007 or earlier may continue under the regulations in the 2007 Calendar.

Minor Requirements

A minor consists of 75 credits in French, including 15 credits at 300-level; 30 credits at 200-and/or 300-level, and 30 credits at any level from the French schedule.

Geography

145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
230.121	Future State: New Zealand in the 21st Century	15	
145.201	Quantitative Methods in Geography	15	
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper, R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
145.216	Urban Environments	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
145.222	Rivers and Slopes	15	P 145.121
145.223	Climate Change and Natural Hazards	15	P 145.121, 233.101 or equivalent; R 145.325
145.224	Biogeography	15	P Any 100-level BA or BSc paper, R 145.324
145.230	Coastal Environments	15	P 145.121; R 145.330
121.313	Applied River Management	15	P 196.205 or 145.222
145.301	Research Practice in Human Geography	15	P Any 200-level BA or BSc paper
145.303	Field Work: Alpine Physical Geography	15	P 145.222 (or equivalent)
145.304	Applied Field Geomorphology	15	P At least two from: 145.222, 145.223, 145.230
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
145.320	Quaternary Biogeography and Environmental Change	15	P 145.223 or 145.224; R 145.302, 145.308 (2009 only)
145.327	River Dynamics	15	P 145.222

Notes

1. Prerequisites may be waived with the approval of the Head of School in the case of students with appropriate credits in other subjects.
2. Most courses include some laboratory and/or field work – 145.111 (one day), 145.222 (one day), 145.301 (two days), 145.303 (seven days), 145.304 (six days), 145.320 (one day) and 145.327 (one day).

Majoring Requirements

A major consists of 135 credits in Geography including 145.111 and 145.121; 30 credits at 200-level; 60 credits at 300-level including at least one of 145.301, 145.303, 145.304, 145.320, 145.327, and 15 credits at any level from the Geography schedule. With permission of the Head of School 15 credits (ie one paper) at 100- or 200-level may be credited to the Geography major from a related discipline.

Minor Requirements

A minor consists of 75 credits in Geography, including 15 credits at 300-level; 30 credits at 200-and/or 300-level, and 30 credits at any level from the Geography schedule.

German (no new enrolments from 2011)

Major Requirements

German is not available as a major subject.

Minor Requirements

German is not available as a minor subject.

History

148.105	The World Since 1900	15	
148.109	European Roots	15	
148.110	Headlines in History	15	
148.111	A History of the World	15	
148.113	Early Medieval England	15	
148.114	Making New Zealand: A Survey to 1914	15	
148.115	Remaking New Zealand: A Survey Since 1914	15	
148.116	Medieval Europe	15	
148.120	Blockbusters and Biopics: History at the Movies	15	
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
148.204	The New Zealand Land Wars	15	P Any 100-level BA paper
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper
148.208	Revolutionary Europe 1750–1850	15	P Any 100-level BA paper
148.212	The Crusades	15	P Any 100-level BA paper
148.213	Modern United States History	15	P Any 100-level BA paper
148.214	New Zealand Rural History	15	P Any 100-level BA paper; R 148.108
148.216	The Tudors and the English Reformation	15	P Any 100-level BA paper
148.217	Victoria's World	15	P Any 100-level BA paper
148.218	The Vikings	15	P Any 100-level BA paper
148.220	The Second World War	15	P Any 100-level BA paper
148.221	The Black Death and Other Plagues, 1300–1700	15	P Any 100-level BA paper
148.222	Popular Culture in Medieval Europe	15	P Any 100-level BA paper
148.301	English Radicalism	15	P Any 200-level BA paper
148.313	The French Revolution	15	P Any 200-level BA paper
148.316	New Zealand Between the Wars	15	P Any 200-level BA paper
148.317	New Zealand Religious History	15	P Any 200-level BA paper
148.324	Late Medieval England	15	P Any 200-level BA paper
148.329	Fascism	15	P Any 200-level BA paper
148.330	Medieval Women	15	P Any 200-level BA paper
148.331	Germany's Long Century, 1871–1991	15	P Any 200-level BA paper
148.332	The Politics of Protest	15	P Any 200-level BA paper
148.333	The Napoleonic Wars	15	P Any 200-level BA paper
148.334	Sports History	15	P Any 200-level BA paper
148.335	The Great War and its Legacy	15	P Any 200-level BA paper
148.336	Urbanisation in the British Empire	15	P Any 200-level BA paper
148.337	Māori Responses to Colonisation	15	P Any 200-level BA paper
148.338	Issues in Christian History	15	P Any 200-level BA paper; R 187.363

Majoring Requirements

A major consists of 135 credits in History including 15 credits at 100-level, 30 credits at 200-level, 60 credits at 300-level and 30 credits at any level from the History schedule.

Minor Requirements

A minor consists of 75 credits in History including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the History schedule.

Japanese

242.101	Japanese 1A	15	R 242.102, 242.201, 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307; Note 1
242.102	Japanese 1B	15	P 242.101 or PHOS; R 242.201, 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307; Note 1
242.103	Introduction to Japanese Culture	15	R 169.123

242.201	Japanese 2A	15	P 242.102 or 169.121 and 169.122 or PHOS; R 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307; Note 1
242.202	Japanese 2B	15	P 242.201 or PHOS; R 242.301, 242.302, 242.304, 242.305, 242.306, 242.307; Note 1
242.203	Japanese Language and Society	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.224
242.205	Japanese Cinema	15	P Any 100-level BA paper; R 169.227
242.301	Japanese 3A	15	P 242.202 or 169.221 and 169.222 or PHOS; R 242.302; Note 1
242.302	Japanese 3B	15	P 242.301 or 169.121 and 169.222 or PHOS; R 169.321, 169.322; Note 1
242.304	Reading and Writing about Current Japan	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.324
242.305	Readings in Modern Japanese Literature	15	P 242.202 or 169.221 and 169.222 or PHOS; C 242.301 and 242.302 or PHOS; R 169.326
242.306	Japanese Linguistics	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.327
242.307	Japanese–English Translation Techniques	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.328
242.390	Individual Research Project in Japanese Studies	15	PHOS; R 169.395

Notes

1. This paper is not suitable for native speakers of Japanese. Please discuss other options with the Head of School or Programme Coordinator.
2. Notwithstanding Generic Regulation 5 for Undergraduate Degrees, Diplomas and Certificates, provided ability to the appropriate level has been attained, students may enrol directly in 242.102, 242.201, 242.202, 242.301 or 242.302. Students are encouraged to contact the Programme Coordinator to discuss their appropriate point of entry into language papers if in doubt.
3. Students who gain exemption from 242.101 and 242.102 may instead credit the two following papers to their major: 172.131 Language and Communication and 172.132 Language and Culture or other approved electives.

Majoring Requirements

A major consists of 135 credits in Japanese, including 242.103; 30 credits at 200-level; 60 credits at 300-level, and 30 credits at any level from the Japanese schedule.

Minor Requirements

A minor consists of 75 credits in Japanese, including 15 credits at 300-level; 30 credits at 200-and/or 300-level, and 30 credits at any level from the Japanese schedule.

Linguistics

172.131	Language and Communication	15	
172.133	Introduction to Language Studies	15	
172.231	Linguistics for Speech Therapists	15	P 172.133; R 172.235
172.232	Language and Society in New Zealand	15	P Any 100-level BA paper
172.233	Language Learning Processes	15	P Any 100-level BA or BEd paper
172.234	Phonetics	15	P Any 100-level BA paper
172.235	Linguistic Analysis	15	P Any 100-level BA paper; R 172.231
172.236	Forensic Linguistics	15	P Any 100-level BA paper
172.237	Language, Discourse and Power	15	P Any 100-level BA paper
172.239	Language and Culture	15	R 172.132
172.330	Sounds and Structures	15	P 172.235; R 172.331, 172.332
172.334	Field Methods	15	P 172.234 or 172.235
172.335	Language and Identity	15	P 172.232 or 172.237
172.336	Languages of the Pacific	15	P Any 200-level Linguistics paper
172.337	Historical and Comparative Linguistics	15	P Any 200-level Linguistics paper
172.338	Language and Mediated Communication in a Transcultural World	15	P Any 200-level Linguistics paper

Majoring Requirements

A major consists of 135 credits in Linguistics, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the Linguistics schedule. Subject to approval from the Head of School, 242.306 may be taken in partial fulfilment of the majoring requirements.

Minor Requirements

A minor consists of 75 credits in Linguistics, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Linguistics schedule.

Māori Studies

150.106	Ngā Hanga Whakairo: Traditional Māori Visual Art	15	
150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311; Note
150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Maori language necessary; R 150.210, 150.211, 150.311
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.202	Hauora Tāngata: Māori Health Foundations	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
150.206	Ngā Momo Whakairo: Contemporary Māori Visual Art	15	P 150.106
150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311
150.211	Te Reo Whakanakonako: Embellishing the Language	15	P 150.210; R 150.311
150.213	Tikanga-ā-Iwi: Tribal Development	15	P 150.114 or 146.101
150.216	He Huarahi Rangahau: Māori and Research	15	P Three papers at 100-level including one paper from Māori Studies
150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
150.302	Planning for Māori Health	15	P 150.202
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
150.311	Te Papā o te Reo: Māori Language III	15	P 150.211

Note

This paper is for beginners.

Majoring Requirements

A major consists of 135 credits in Māori Studies, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level including 150.311, and 30 credits at any level from the Māori Studies schedule.

Minor Requirements

A minor consists of 75 credits in Māori Studies, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Māori Studies schedule.

Mathematics

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period.
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133

160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period.
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.204	Differential Equations I	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
160.212	Discrete Mathematics	15	P 160.101 or 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171, and one of 115.101, 161.100–161.130; R 161.231
160.301	Analysis	15	P 160.203
160.302	Algebra	15	P 160.212 (and 160.102 prior to 2012)
160.314	Combinatorics	15	P 160.212
160.316	Geometry	15	P Any 200-level Mathematics paper
160.317	Methods of Mathematical Physics	15	P 160.203
160.318	Differential Equations II	15	P 160.203, 160.204
160.319	Mathematical Modelling	15	P 160.204, 160.211
160.320	Mathematics in Education	15	P Any 200-level Mathematics paper
160.325	History of Mathematics	15	P 160.101 and any 200-level Mathematics paper
160.380	Project	15	P PPD

Majoring Requirements

160.111 or 160.132 (unless exempted for prerequisite purposes), 160.112 or 160.133 (or 160.101 and 160.102), 60 credits from 200-level papers and 60 credits from 300-level papers listed in the Mathematics Schedule above. Students who intend to advance to Honours or Masters in Mathematics are recommended to include in their major the papers 160.212, 160.301, 160.302, 160.317, 160.318 and 160.319.

Minor Requirements

160.111 or 160.132 (unless exempted for prerequisite purposes), 160.112 (or 160.133) (or at least one of 160.101 or 160.102); 45 credits from papers with 160.2XX and 160.3XX, with at least 15 credits at 300-level.

Media Studies

154.101	Introduction to Media Studies	15	
154.108	Reading the Media	15	R 139.108
154.115	Stardom and Celebrity in the Media	15	
154.120	Transmedia Narrative and Storytelling	15	
172.131	Language and Communication	15	
139.275	Gothic	15	P Any 100-level English or Media Studies paper
146.206	Visual Ethnography	15	P Any 100-level BA paper
154.201	Television Studies	15	P Any 100-level BA paper
154.202	Advertising and Consumer Society	15	P Any 100-level BA paper; or any one of 115.104, 156.100, 237.130
154.203	Popular Culture and the Media	15	P Any 100-level BA paper
154.204	Digital Media Production I	15	P Any 100-level BA paper
154.205	Popular Music Studies	15	P Any 100-level BA paper
154.206	Topics in Film History	15	P Any 100-level BA paper
154.212	New Zealand Cinema	15	P Any 100-level BA paper

154.215	Cult Media and Fandom	15	P Any 100-level BA paper
154.222	The Art of the Film	15	P Any 100-level BA paper
154.224	Documentary (Non-Fiction) Film	15	P Any 100-level BA paper, or 237.130
154.228	Media History	15	P Any 100-level BA paper; R 139.228
219.204	News Media Processes	15	P Any 100-level paper
139.323	Media Script Writing	15	P Any 200-level English or Media Studies paper
139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
154.301	Cultural Studies and the Media	15	P Any 200-level Media Studies paper
154.302	Gender and Race in the Media	15	P Any 200-level Media Studies paper
154.303	Hollywood Cinema	15	P Any 200-level BA paper
154.304	Digital Media Production II	15	P 154.204
154.305	A Social History of Popular Music	15	P Any 200-level BA paper
154.308	Screen Fictions	15	P Any 200-level English or Media Studies paper
154.309	Communications and Culture	15	P Any 200-level BA paper; R 139.308
154.311	Social Media and Digital Cultures	15	
154.312	Trauma and the Media	15	P Any 200-level BA paper
154.313	Global Media Cultures	15	P Any 200-level Media Studies paper
154.314	Independent Media in the Information Age	15	P Any 200-level Media Studies paper

Note

All papers scheduled with prefix 219 are included in the maximum of 120 credits permitted from the Schedules for other degrees under BA degree Regulation 2(c).

Majoring Requirements

A major consists of 135 credits in Media Studies, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the Media Studies schedule.

Minor requirements

A minor consists of 75 credits in Media Studies, including 15 credits at 300-level; 30 credits at 200- and/or 300-level; and 30 credits at any level from the Media Studies schedule.

Music

No new enrolments from 2015

Majoring Requirements

Music is not available as a major subject

Minor Requirements

Music is not available as a minor subject.

New Zealand Studies

Part I

Compulsory paper:

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper New Zealand Society
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Part II

121.103	New Zealand Environments	15	
139.122	Contemporary Literary Forms of Aotearoa New Zealand	15	
148.114	Making New Zealand: A Survey to 1914	15	
148.115	Remaking New Zealand: A Survey Since 1914	15	
150.106	Ngā Hanga Whakairo: Traditional Māori Visual Art	15	
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102

178.110	The New Zealand Economy	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
230.102	Pacific Peoples in New Zealand	15	
254.101	An Introduction into Social and Cultural Studies in Education	15	R 187.101
121.211	New Zealand Environmental Issues	15	P 121.103, or 145.111
133.202	Music in New Zealand Society	15	P Any 100-level BA paper
135.308	Religions in New Zealand	15	P Any two 200-level papers, at least one of which must be in Religious Studies
139.255	Critical Periods in Aotearoa New Zealand Literature	15	P Any 100-level English paper
148.204	The New Zealand Land Wars	15	P Any 100-level BA paper
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
154.212	New Zealand Cinema	15	P Any 100-level BA paper
170.202	New Zealand Feminism	15	P Any two 100-level papers, at least one of which is from the BA schedule
172.232	Language and Society in New Zealand	15	P Any 100-level BA paper
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P Any 100-level BA paper
148.316	New Zealand Between the Wars	15	P Any 200-level BA paper
148.317	New Zealand Religious History	15	P Any 200-level BA paper
148.337	Māori Responses to Colonisation	15	P Any 200-level BA paper
150.301	Te Mana Te Kawanatanga: Māori Policy and the State	15	P 150.201
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper

Major Requirements

New Zealand Studies is not available as a major subject.

Minor Requirements

A minor consists of 75 credits (5 papers) including 150.201, 15 credits at 300-level, 15 credits at 200- and/or 300-level, and 30 credits at any level from the New Zealand Studies schedule. No more than 30 credits may be completed from the same prefix.

Philosophy

134.101	Knowledge and Reality	15	
134.102	Great Western Philosophy	15	
134.103	Critical Thinking	15	
134.104	Practical Ethics	15	
134.105	Philosophy of Religion: God, Freedom and Evil	15	R 134.206, 134.306
134.201	Philosophy of Mind	15	P Any 100-level BA paper
134.203	Ethics	15	P Any 100-level BA paper
134.204	Aesthetics	15	P Any 100-level BA paper
134.205	Logic	15	P Any 100-level BA paper
134.208	Philosophy of Science	15	P Any 100-level BA or BSc paper
134.215	Asian Philosophies	15	P Any 100-level BA paper
134.216	Modern Philosophy	15	P Any 100-level BA paper
134.218	Environmental Philosophy	15	P Any 100-level BA or BSc paper or 132.111
134.220	Business and Professional Ethics	15	P Any 100-level BA or BBS paper; R 134.219, 134.319
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
134.302	Metaphysics	15	P Any two 200-level papers, at least one of which is in Philosophy
134.303	Ethics	15	P Any two 200-level papers, at least one of which is in Philosophy
134.308	Philosophy of Science	15	P Any two 200-level BA or BSc papers
134.309	Ancient Philosophy	15	P Any two 200-level papers, at least one of which is in Philosophy, or 201.201
134.310	Philosophy of Literature	15	P Any two 200-level papers, at least one of which is in Philosophy

134.312	Epistemology: Seeing and Knowing	15	P Any two 200-level papers, at least one of which is in Philosophy
134.317	Recent and Contemporary Philosophy	15	P Any two 200-level papers at least one of which is in Philosophy
200.315	Contemporary Political Theory	15	P Any 200-level BA paper

Notes

1. Prerequisites may be waived in the case of students with appropriate credits in other subjects; students should consult the Head of School.
2. Not all 200- or 300-level papers will be offered each year. Students should consult the Head of School.
3. No student may enrol for a paper in Philosophy with the same title as one for which credit has already been given.

Majoring Requirements

A major consists of 135 credits in Philosophy, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level and 30 credits at any level from the Philosophy schedule.

Minor Requirements

A minor consists of 75 credits in Philosophy, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Philosophy schedule.

Politics

200.161	Introduction to Politics	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
230.121	Future State: New Zealand in the 21st Century	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
200.301	Contemporary International Conflict	15	P Any 200-level BA paper
200.302	Israel/Palestine and the Arab World	15	P Any 200-level BA paper
200.303	Democratic Politics	15	P Any 200-level BA paper
200.315	Contemporary Political Theory	15	P Any 200-level BA paper
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Note

Appropriate papers from other subject areas may be accepted by the Head of School in place of the prescribed prerequisite.

Majoring Requirements

A major consists of 135 credits in Politics, including 200.161, 200.162; at least 30 credits from 200.215, 200.261, 200.201; at least 60 credits at 300 level from the Politics schedule, including at least 45 credits from the 200-prefix.

Minor Requirements

A minor consists of 75 credits in Politics including 200.161; at least one of 200.215 or 200.261; 15 credits at 300-level; 15 credits at 200- or 300-level, and 15 credits at any level from the Politics schedule. The minor must include at least 60-credits from 200-prefix papers.

Psychology

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	Note 1
175.201	Social Psychology	15	P Any 100-level BA paper
175.203	Introduction to Psychological Research	15	P 175.102, Note 1
175.205	Brain and Behaviour	15	P 175.102, Note 1
175.206	Memory and Cognition	15	P 175.102, Note 1

175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA paper; R 175.312, Note 1
175.301	Community Psychology	15	P 175.203, Note 1
175.302	Abnormal and Therapeutic Psychology	15	P 175.203, Note 1
175.303	The Practice of Psychological Research	15	P 175.203, Note 1
175.306	Assessment of Individual Differences	15	P 175.203, Note 1
175.309	Forensic Psychology	15	P 175.203
175.311	Psychology of Women	15	P 175.203
175.316	Evolution, Culture and Mind	15	P 175.203; R 175.202 (1998–2001 only)
175.317	Health Psychology	15	P 175.203
175.318	Experimental Psychology	15	P 175.203, 175.205, 175.206, Note 2
175.343	Personnel Psychology and Career Development	15	P 175.203; R 175.344, Note 1
175.345	Organisational Psychology	15	P 175.203; R 175.344, Note 1

Notes

- Laboratory and/or practical work is associated with this paper.
- Students who have passed 175.203 and either 175.205 or 175.206 may be permitted to take the third prerequisite as a co-requisite.

Majoring Requirements

A major consists of 135 credits in Psychology including 175.101 and 175.102; 45 credits at 200-level, including 175.203; and 60 credits at 300-level.

Minor Requirements

A minor consists of 75 credits in Psychology; including 175.102 and 175.203, 15 credits at 300-level, 15 credits at 200- or 300-level, and 15 credits at any level from the Psychology schedule.

Rehabilitation Studies

147.101	Rehabilitation Studies	15	
147.102	Mental Health and Society	15	
147.201	Issues in Rehabilitation	15	P Any 100-level BA paper
147.202	Mental Health Policy and Practice	15	P 147.102
147.203	Measurement in Rehabilitation	15	P 147.101
147.301	Community-based Rehabilitation	15	P 147.201
147.302	Alcohol and Drug Use	15	P Any 200-level BA paper

Major Requirements

Rehabilitation Studies is not available as a major subject.

Minor Requirements

A minor consists of 75 credits in Rehabilitation Studies, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Rehabilitation schedule.

Religious Studies

No new enrolments from 2015.

Majoring Requirements

No new enrolments in this major from 2008 onwards. Students enrolled for this major in 2007 or earlier may continue under the regulations in the 2008 Calendar.

Minor Requirements

Religious Studies is not available as a minor subject.

Security Studies

134.103	Critical Thinking	15	
148.105	The World Since 1900	15	
149.170	Introduction to Border Security	15	
149.171	The Security of Global Trade	15	
149.180	Introduction to Security Studies	15	
149.190	Police and Policing in Society	15	R 166.202
178.100	Principles of Macroeconomics	15	
178.110	The New Zealand Economy	15	
200.161	Introduction to Politics	15	

200.162	Politics and Public Policy in New Zealand	15	R 179.102
134.220	Business and Professional Ethics	15	P Any 100-level BA or BBS paper; R 134.219, 134.319
146.208	Political Anthropology	15	P Any 100-level BA paper
149.272	Intelligence in the Security Environment	15	P Any 100-level BA paper
149.280	Emerging Security Issues	15	P 149.180
153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
172.236	Forensic Linguistics	15	P Any 100-level BA paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
149.350	The History of Defence and Security Intelligence	15	P Any 200-level BA paper
149.360	Defence and Security Technology	15	P 149.151 or 149.180 and any 200-level 149-prefix paper; R 149.160
149.370	Psychology of Evidence in the Security Environment	15	P any 200-level BA paper
149.375	Applied Research Internship	30	P Students must have completed 240 credits in the BA degree and have a B+ or better average in their 200 and 300 level papers
149.380	Strategy and Security	15	P 149.280
149.381	Terrorism and Political Violence	15	P Any 200-level BA paper
149.385	Security and the Law	15	P 149.280
152.386	Risk Management I	15	P Any 200-level paper
200.301	Contemporary International Conflict	15	P Any 200-level BA paper

Notes

- Not all papers will be offered every year or in every mode or location.
- 153.200 and 152.386 are included in the maximum of 120 credits permitted from the Schedules for other degrees under the BA regulations.

Majoring Requirements

A major consists of 135 credits, including 149.180, 149.280, 149.380, 149.381, 149.385; 15 credits at 200-level; 15 credits at 300-level; and 30 credits at any level from the Security Studies schedule.

Minor Requirements

A minor consists of 75 credits, including 149.180, 149.280; 15 credits of 149 prefix papers at 300-level; 15 credits of 149 prefix papers at 200- or 300-level; and 15 credits at any level from the Security Studies schedule.

Social Anthropology

146.101	Introductory Social Anthropology	15	
146.102	Endangered Cultures	15	
230.121	Future State: New Zealand in the 21st Century	15	
131.221	Contemporary Development Issues	15	P 146.102 or 131.121
146.206	Visual Ethnography	15	P Any 100-level BA paper
146.208	Political Anthropology	15	P Any 100-level BA paper
146.209	Food and Eating	15	P Any 100-level BA paper or 119.180 or 250.131
146.210	Ritual and Belief	15	P Any 100-level BA paper
146.211	Systems of Healing	15	P Any 100-level BA paper
146.213	Anthropological Enquiry	15	P Any 100-level BA paper
146.214	The Politics of Culture	15	P Any 100-level BA paper
150.213	Tikanga-ā-lwi: Tribal Development	15	P 150.114 or 146.101
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
146.302	Regional Ethnography: Asia	15	P Any 200-level BA paper
146.303	Practice of Field Work	15	P 146.213 or equivalent
146.304	Culture, Biology and Racism	15	P Any 200-level BA paper
146.307	The Cultural Construction of Gender and Sexuality	15	P Any 200-level BA paper

146.311	Medical Systems of China, India and the West	15	P Any 200-level BA paper
146.313	Issues in South Pacific Anthropology	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
146.317	Urban Anthropology	15	P Any 200-level BA paper; R 146.284
146.318	Environmental Anthropology	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Note

Appropriate papers from other subject areas may be accepted in place of the prescribed prerequisites with the approval of Head of School.

Majoring Requirements

A major consists of 135 credits in Social Anthropology, including 146.101; 30 credits at 200-level, including 146.213; 60 credits at 300-level, including 146.303, and 30 credits at any level from the Social Anthropology schedule. The major must include at least 105 credits from the 146.-prefix papers.

Minor Requirements

A minor consists of 75 credits in Social Anthropology, including 15 credits at 300-level; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Social Anthropology schedule. The minor must include at least 60 credits from the 146-prefix papers.

Social Policy

115.106	Economics	15	R 178.101
176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
178.100	Principles of Macroeconomics	15	R 112.101, 177.101, 178.100 (prior to 1997), 178.102
178.110	The New Zealand Economy	15	
200.161	Introduction to Politics	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
279.101	Social Policy: An Introduction	15	R 179.101
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
176.218	Race, Nation and Modernity	15	P Any two 100-level papers, at least one of which is from the BA schedule
178.210	Economic Policy	15	P 178.100 or 178.102 or 178.110
179.202	An Introduction to Social Research	15	P Any two 100-level papers, at least one of which is from the BA schedule; R 176.202, Note 1
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
279.201	Social Policy: Concepts and Theories	15	P 279.101 or 179.101 or 200.162, (179.102 to 2009); R 179.201
279.203	Law, Government and Social Policy	15	P 279.101 or 179.101 or 200.162, (179.102 to 2009); R 179.203
150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
176.301	The Sociological Project	15	P 176.201 or 176.206
176.303	Making the Nation	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
179.320	Community Development	15	P Any 200-level BA paper

179.330	Māori Development and the Social Services	15	P Any 200-level BA paper
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper; R 134.211, 200.211
279.301	Government Policy, Planning and Administration	15	P 279.201 or 179.201; R 179.301, Note 2
279.302	Policy Research and Evaluation	15	P 179.202 or 176.202; R 179.302, Note 1

Notes

1. These papers include laboratory or field work requirements.
2. Appropriate papers from other subject areas may be accepted by the Head of School in place of the prescribed prerequisite.

Majoring Requirements

A major consists of 135 credits in Social Policy, including at least one of 279.101 or 200.162; at least one of 178.100 or 178.110; both 279.201 and 179.202; 60 credits at 300-level, including 279.301 and 279.302, and 15 credits at any level from the Social Policy schedule.

Minor Requirements

A minor consists of 75 credits in Social Policy, including at least one of 279.101 or 200.162; both 279.201 and 279.301; 15 credits at 200- or 300-level, and 15 credits at any level from the Social Policy schedule.

Sociology

176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
230.121	Future State: New Zealand in the 21st Century	15	
176.203	Development and Social Change: Central Themes	15	P Any 100-level BA paper
176.204	Small Groups	15	P Any 100-level BA paper
176.205	Animals and Human Societies	15	P Any 100-level BA or BSc paper; R 176.105
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
176.207	Family, Intimacy and Domestic Life	15	P Any 100-level BA paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
176.218	Race, Nation and Modernity	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.219	The Transformation of the Pacific: Central Themes	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.221	Ethnicity and Identity: Central Themes	15	P Any 100-level BA paper
176.222	Cities in the Twenty-first Century	15	P Any 100-level BA paper
176.301	The Sociological Project	15	P 176.201 or 176.206
176.302	Techniques of Social Investigation	15	P Any 200-level BA paper
176.303	Making the Nation	15	P Any 200-level BA paper
176.308	Sociology of the Environment	15	P Any 200-level BA paper
176.309	Development and Social Change: Contemporary Issues	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
176.316	Understanding Globalisation in Depth	15	P Any 200-level BA paper; R 176.216
176.318	Sociology of Death and Dying	15	P Any 200-level BA paper
176.322	The World of Work: Contemporary Issues	15	P Any 200-level BA paper
176.323	The Transformation of the Pacific: Contemporary Issues	15	P Any 200-level Sociology paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Majoring Requirements

A major consists of 135 credits in Sociology, including 176.101; 30 credits at 200-level including 176.206; 60 credits at 300-level including 176.301; and 30 credits at any level from the Sociology schedule.

Minor Requirements

A minor consists of 75 credits in Sociology, including 15 credits at 300-level; 30 credits at 200- and/or 300-level; and 30 credits at any level from the Sociology schedule.

Spanish

245.101	Introductory Spanish Language I	15	R 245.102, 245.201, 245.202, 245.301
245.102	Introductory Spanish Language II	15	P 245.101 or 164.151 or equivalent level; R 245.201, 245.202, 245.301
245.103	Hispanic Culture and Heritage	15	R 164.153
245.201	Intermediate Spanish Language I	15	P 245.102 or 164.152 or equivalent level; R 245.202, 245.301
245.202	Intermediate Spanish Language II	15	P 245.201 or 164.251 or equivalent level; R 245.301
245.203	The Sound of Spanish: Diction, Dialects and Diversity	15	P 245.201
245.204	Latin American Voices	15	P 245.201 or 164.251; R 164.255
245.301	Advanced Spanish Language	15	P 245.202 or 164.252; R 164.351
245.302	Theory and Practice of Translation	15	C 245.301; R 164.361
245.303	Latin American Rhythms and Politics: From Tango to Rock	15	P 245.202 or 164.252 or 245.204 or 164.255; R 164.354
245.304	Travellers' Tales: the Invention of Latin America	15	P 245.202 or 245.204
245.305	Spanish Conversation on Film	15	P 245.202 or 164.252

Majoring Requirements

A major consists of 135 credits in Spanish, including 15 credits at 100-level; 30 credits at 200-level; 60 credits at 300-level, and 30 credits at any level from the Spanish schedule.

Minor Requirements

A minor consists of 75 credits in Spanish, including 15 credits at 300-level; 30 credits at 200-and/or 300-level, and 30 credits at any level from the Spanish schedule.

Statistics

160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school back-ground At least 16 credits achieved in NCEA Level 3 Mathematics with Calculus OR at least 24 credits in NCEA Level 3 Mathematics. ; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
161.120	Introductory Statistics	15	R 115.101, 161.100, 161.110, 161.130, 195.101
161.130	Introductory Biostatistics	15	R 115.101, 161.100, 161.110, 161.120, 195.101
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171 and one of 115.101, 161.100–161.130 R 161.231
161.220	Data Analysis	15	P One of 115.101, 161.100–161.130; R 161.250
161.221	Applied Linear Models	15	P One of 115.101 or 161.100–161.130; R 161.320
161.223	Introduction to Data Mining	15	P One of 115.101, 161.100–161.130; R 161.324, 161.326, 161.777

161.230	Probability Modelling	15	P One of 115.101, 161.100–130 and 160.1xx; R 161.240
161.231	Statistical Modelling	15	P 160.111 (or 160.101) and one of 115.101, 161.100–130; R 161.200
161.240	Applied Probability for Management	15	P One of, 115.101, 161.100–161.130; and 160.1xx; R 161.230, 204.200
161.250	Data Analysis for Biologists	15	P One of, 115.101, 161.100–161.130; R 161.220
161.301	Statistical Inference	15	P 161.200 or 161.231
161.320	Fitting Regression Models	15	P One of 161.200, 161.220, 161.231
161.321	Sampling and Experimental Design	15	P One of 161.2XX
161.322	Survey Design, Implementation and Analysis	15	P One of 161.200, 161.220, 161.223, 161.231
161.323	Multivariate Analysis	15	P One of 161.2XX
161.324	Data Mining	15	P 161.220 or 161.221 or 161.250; R 161.223, 161.777
161.325	Statistical Methods for Quality Improvement	15	P One of 161.200, 161.220, 161.230, 161.240
161.326	Statistical Machine Learning	15	P (159.2xx and 161.1xy) or 161.2xx; R 159.302
161.327	Generalised Linear Models	15	P 161.221 and one of 160.1xx; R 161.726
161.331	Biostatistics	15	P 161.220 or 161.221 or 161.250 or equivalent with PHOD
161.342	Forecasting and Time Series	15	P 161.220 or 161.221 or 161.250
161.345	Stochastic Models in Operations Research	15	P 160.111 (or 160.101), one of 161.200, 161.230, 161.240

Majoring Requirements

A major consists of 135 credits in Statistics, including one of 160.103, 160.111, 160.112, 160.131, 160.132 or 160.133; one of 161.120 or 161.130 (or one of 161.100, 161.110); 45 credits at 200-level consisting of 161.220, one of 161.200 or 161.231, and one of 161.221, 160.203 or 160.211; and 60 credits at 300-level.

Minor Requirements

A minor consists of 75 credits in Statistics, including one of 161.120 or 161.130 (or 161.100); 15 credits at 300-level; 30 credits at 200- and/or 300 level, and 15 credits at any level from the Statistics schedule.

Women's Studies

170.102	Women of Ideas and Action	15	
135.207	Sex, Gender and Religion	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
146.209	Food and Eating	15	P Any 100-level BA paper or 119.180 or 250.131
170.201	What is Feminism?	15	P Any two 100-level papers, at least one of which is from the BA schedule
170.202	New Zealand Feminism	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.207	Family, Intimacy and Domestic Life	15	P Any 100-level BA paper
201.211	Love and Sexuality in Ancient Greece	15	P Any 100-level BA paper
139.361	The Literature of Women	15	P Any 200-level English or Women's Studies paper; R 139.261
139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
148.330	Medieval Women	15	P Any 200-level BA paper
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
154.302	Gender and Race in the Media	15	P Any 200-level Media Studies paper
170.303	Gender and Violence	15	P Any 200-level BA paper
175.311	Psychology of Women	15	P 175.203
219.302	Gender and Communication in Organisations	15	P Any 200-level paper
275.304	Gender Development	15	P Any 200-level paper

Major Requirements

No new enrolments in this major from 2007 onwards. Students enrolled for this major in 2006 or earlier may continue under the regulations in the 2006 Calendar.

Minor Requirements

A minor consists of 75 credits in Women's Studies, including 170.201; 15 credits at 300-level; 15 credits at 200- and/or 300-level, and 30 credits at any level from the Women's Studies schedule.

Part III: Other BA Subjects and Papers

Emergency Management

130.201	Introduction to Civil Defence Emergency Management in New Zealand	15	P Any 100-level paper
130.301	Incident Command Systems	15	P Any 200-level paper

English for Speakers of Other Languages

192.101	English for Academic Purposes for Speakers of Other Languages	15	Note
192.102	Academic Writing in English for Speakers of Other Languages	15	Note

Note

These papers may be credited to other undergraduate degree programmes.

Health

250.131	Health Studies	15	
250.231	Health and Health Inequalities	15	R 168.202, 168.231
250.317	Disability in Society	15	P Any 200-level BA or BHIthSc paper; R 176.317
250.233	Gender and Health	15	P Any 100-level BA paper; R 168.213, 168.233
250.331	Health of Communities	15	P Any 200-level BA paper; R 168.331
250.333	Health and Ageing	15	P Any 200-level BA paper; R 168.333

Humanities and Social Sciences

230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
230.102	Pacific Peoples in New Zealand	15	

Planning

132.221	Planning Studies	15	P Any 100-level BA or BBS paper
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The Degree of Bachelor of Aviation BAV

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Admission to this degree will be subject to a selection process, which includes:
 - aptitude testing;
 - a simulator assessment;
 - a selection interview and writing tasks;
 - the possibility of a 'trial flight'.
- Before being admitted to this degree, candidates must possess the relevant medical certificate(s) for their major:
 - Air Transport Pilot majors must possess a Class One medical certificate of fitness in accordance with the New Zealand Civil Aviation Authority (NZCAA) medical requirements for the issue of an Airline Transport Pilot Licence (ATPL). Candidates will be required to maintain their Class One medical certificate throughout any period that they are enrolled in this major.
 - Air Traffic Management majors must possess a Class Two and a Class Three medical certificate of fitness in accordance with the New Zealand Civil Aviation Authority (NZCAA) medical requirements.
- The medical certificate(s) must be current throughout the degree.
- Before being admitted to this degree, candidates for the Aircraft Maintenance major must have completed the NZQA national certificate in aeronautical engineering and related technology, or an equivalent qualification.
- Every course of study shall include at least 75 credits at 300-level.

Course Requirements

- The Bachelor of Aviation is a degree for which candidates must pass sequentially each of the Parts as specified in the relevant Schedules for one of the following majors:
 - Air Transport Pilot (ATP);
 - Air Traffic Management (ATM) (not available in 2009); and
 - Aircraft Maintenance (AM) (no new enrolments).
- The Air Transport Pilot major is a 480-credit major for which candidates complete the equivalent of four academic years of study.

- The Air Traffic Management major is a 360-credit major for which candidates complete three academic years of study.
 - The Aircraft Maintenance major is a 480-credit major for which candidates complete the equivalent of four academic years of study.
- Each Part must be completed before a candidate may enrol for the next successive Part. At the discretion of the Head of School, a candidate may be granted approval to re-enrol for a failed paper concurrently with the next Part, subject to the University's maximum workload regulation.
 - Those papers that are identified in the Schedules below as integrated papers comprise two components: academic and practicum. A candidate must pass both the academic component and the practicum component to gain a pass in the paper.

Schedule for Air Transport Pilot Major (Aeroplane option)

Part I (90 credits)

190.104	Principles of Navigation I*	15	P Entry ATP; C 190.110
190.107	Human Performance*	15	P Entry ATP or PHOS; R 190.117
190.110	Introduction to Flying*	30	P Entry ATP or PHOS; C 190.104
190.112	Introduction to Flying II*	15	P Entry ATP and 190.110; C 190.104
190.118	Aeroscience I	15	P Entry ATP
190.150	Aviation Practicum 1	0	P must have been selected into the BAv – ATP major. C must be enrolled in any other 'Integrated' paper of either Part I or Part II of the BAv – ATP major.

Part II (90 credits)

190.119	Aeroscience II	15	P 190.118
190.120	Aeronautical Legislation*	15	P 190.104, 190.107, 190.110, 190.111
190.121	Aeronautical Meteorology*	15	P 190.104, 190.107, 190.110, 190.111
190.123	Aircraft Systems*	15	P 190.104, 190.107, 190.110, 190.111
190.124	Aircraft Performance*	15	P 190.104, 190.107, 190.110, 190.111
190.154	Principles of Navigation II*	15	P 190.104, 190.107, 190.110, 190.111

Part III (180 credits)

190.201	Aircraft Systems II (Part I)*	15	P 190.123
190.203	Air Traffic Control/Aviation Law*	15	P 190.120

190.204	Flight Planning and Advanced Navigation (Part 1)*	15	P 190.154
190.205	Crew Resource Management*	15	P 190.107; R 190.216
190.206	Aerodynamics	15	P 190.118
190.221	Advanced Support Studies*	15	P 190.121
190.237	Air Transport Cockpit Systems*	15	P 190.124
190.251	Aircraft Systems II (Part 2)*	15	P 190.201
190.254	Flight Planning and Advanced Navigation (Part 2)*	15	P 190.204
190.256	Aerodynamics (Part 2)	15	P 190.206
190.288	Advanced Aircraft Handling*	30	P 190.205

* This is an integrated paper.

Part IV See Options Schedule (120 credits)

Schedule for Part IV Options

Airline Internship (no new enrolments)

Flight Systems – Flight Operations (no new enrolments)

Flight Instruction (Aeroplane)

Either:

190.297	Aerobatic Aircraft Handling for Flight Instructors*	30	P 190.204
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or:

190.298	Turbo-Prop and Jet Handling*	30	P 190.251 and 190.254 or hold a CAA NZ Commercial Pilot Licence – Aircraft, (CPL-A) endorsed with multi-engine instrument rating (MEIR) and have approval from Head of School Aviation.
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and all of:

190.301	Flight Instructor Human Factors	15	P any 200-level paper
190.313	Advanced Aviation Human Factors	15	P 190.205 or 190.216
190.315	Flight Instruction Fundamentals I*	15	P 190.256
190.317	Evaluation Methods in Aviation	15	P 190.217, 190.225 or Part III ATP

190.335	Flight Instruction*	30	Part III ATP or hold a current CPL (A)
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* This is an integrated paper.

Aviation Human Factors

190.313	Advanced Aviation Human Factors	15	P 190.205 or 190.216
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Plus papers to the value of 105 credits selected from the following series of papers. At least 60 credits must be at 300-level.

190.xxx	Aviation		
175.xxx	Psychology		

Aviation Business Management (see note below)

190.313	Advanced Aviation Human Factors	15	P 190.205 or 190.216
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Elective papers to the value of 105 credits with the approval of the Head of School. Up to 75 credits may be taken from series other than Aviation. At least 60 credits must be at the 300-level.

190.xxx	Aviation		
110.xxx	Accountancy		
114.xxx	Human Resource Management		
115.xxx	Business		
125.xxx	Finance		
152.xxx	Management		
153.xxx	Dispute Resolution		
155.xxx	Business Law		
156.xxx	Marketing		
157.xxx	Information Systems		
178.xxx	Economics		
219.xxx	Business Communication		

Note: Many potential combinations of papers in the Aviation Business Management option will not be possible in one year of full-time study because of prerequisite requirements.

Schedule for Aircraft Maintenance Major

No new enrolments.

The Degree of Bachelor of Aviation Management

BAvMan

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Aviation Management requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Aviation Management shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 135 credits at 100-level;
 - at least 75 credits at 300-level;
 And including:
 - at least 270 credits from the Schedule to the Degree, including at least 60 credits at 300-level;
 - all compulsory papers in the Schedule to the Degree;
 - up to 90 credits from the schedules of other undergraduate degrees.

- attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Degree of Bachelor of Aviation Management is awarded without specialisation.
- The following major continues to be offered for students in accordance with transition regulations 8 to 10: Aviation Management.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an appropriate qualification should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Degree of Bachelor of Aviation Management on or after 1 January 2015 must satisfy the requirements specified in these regulations.

- All candidates who commenced study towards the Aviation Management Major of the Degree of Bachelor of Aviation Management prior to 2015, and who have passed at least 15 credits whilst enrolled in the Aviation Management major, may complete under the regulations for the Bachelor of Aviation Management in Aviation Management in the 2014 Massey University Calendar (or earlier regulations) until the end of the 2017 academic year.
- Candidates who do not satisfy the requirements of Regulation 9 must satisfy the requirements of the Degree of Bachelor of Aviation Management as specified in these regulations.

Schedule for the Degree of Bachelor of Aviation Management

Schedule A: Compulsory Papers (150 credits)

190.109	Aviation Studies	15	
190.115	Introduction to Aeronautics	15	R 190.110 or 190.111 or CPL (A or H)
190.116	Introduction to Management in Aviation	15	
190.117	Introduction to Human Factors	15	R 190.107
190.216	Aviation Human Factors	15	P 190.107 or 190.117; R 190.205
190.220	Managing Aviation Systems	15	P Part II or P 190.116
190.224	Environmental Impacts of Aviation	15	P any 100-level paper
190.225	Introduction to Research Methods in Aviation	15	P any 190.1xx
190.327	Managing Cultures in Aviation	15	P 190.205 or 190.216
190.340	Contemporary Issues in Aviation Security	15	P any 200-level paper

Schedule B: Aviation Management Papers (120 credits)

190.104	Principles of Navigation I*	15	P Entry ATP; C 190.110,
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190.110	Introduction to Flying*	30	P Entry ATP or PHOS; C 190.104
190.112	Introduction to Flying II*	15	P Entry ATP and 190.110, C 190.104
190.211	Aviation Strategic Management	15	P any 100-level paper
190.215	Heavy Aeroplane Performance	15	P 190.102 or 190.110 or 190.111 or CPL; R 190.202 or 190.235 or 190.237 or 90.252
190.217	Instruction and Learning in Aviation	15	P 190.107 or 190.109 or 190.117 or PHOS
190.222	Basic Air Safety Investigation	15	P 190.115 or 190.110 or 190.111 or CPL (A or H)
190.240	Air Power	15	P any 100-level paper
190.249	Aircraft Maintenance Management	30	190.220 or 190.244 or AMEL
190.299	Aviation Special Topic	15	PHOS; R 190.291 and 190.292
190.302	Check and Training for Airlines	15	P 190.235 or 190.237 or ATPL
190.306	Airline Strategic Management	15	P 190.211
190.307	Airport Planning	15	P any 190.2xx paper
190.308	Airport Operational Management	15	P any 190.2xx paper
190.309	Design of Airways and Air Traffic Systems	15	P any 190.2xx paper
190.313	Advanced Aviation Human Factors	15	P 190.205 or 190.216
190.314	Legal Issues in Aviation	15	P any 190.2xx paper
190.317	Evaluation Methods in Aviation	15	P 190.217, 190.225 or Part III ATP
190.320	Heavy Aeroplane Performance II	15	P 190.237 or 190.215 or PHOS
190.321	Air Accident and Incident Investigation	15	P 190.222
190.328	Aviation Management Practicum	15	15 credits at 200-level from 190 prefix papers and PHOS
190.398	Special Topic	15	PHOS; R 190.399
190.399	Aviation Special Topic	15	PHOS; R 190.398

* This is an integrated paper.

The Degree of Bachelor of Business Studies BBS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of Business Studies requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Bachelor of Business Studies shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 180 credits at 100-level;
 - at least 75 credits at 300-level;
 and including:
 - at least 240 credits from the Schedule to the degree.
 - the core papers listed in Part I of the Bachelor of Business Studies Schedule;
 - completion of at least one major.
- Candidates who have been awarded the Graduate Diploma in Business Studies may cross-credit up to 45 credits at the 200-level to the BBS degree. Where the Diploma contained fewer than 45 credits at the 200-level, up to 45 unspecified 200-level credits may be credited.
- Candidates, who in the opinion of the Academic Board have passed with sufficient merit subjects for the New Zealand Certificate of Commerce,

New Zealand Diploma in Business, or subjects for some other recognised tertiary qualification, may be cross-credited with specified or unspecified papers not exceeding a total of 120 credits.

Specialisations

- Candidates must complete a major by passing at least 120 credits in a specialisation including:
 - at least 45 credits at 200-level;
 - at least 60 credits at 300-level;
 - any compulsory papers identified in Part II of the Schedule to the Degree.
- Candidates who wish to meet the requirements for accreditation by the Valuers Registration Board, must complete:
 - papers as specified in the Schedule for the Valuation and Property Management major; and
 - all of the following papers: 132.221, 138.281, 138.382, 138.383, 178.242.
- Candidates may complete a double major by passing at least 120 credits in each of two of the majoring subjects listed in Regulation 9 including:
 - at least 45 credits at 200-level for each major;
 - at least 60 credits at 300-level for each major;
 - any compulsory papers identified in Part II of the Schedule to the Degree;
 and, only where a paper is listed in the requirements for both majors:
 - an additional paper of at least the same credit value, at the same or higher level, with the same discipline prefix.
- Candidates may include a minor in the Degree of Bachelor of Business Studies.

- (a) A BBS minor must include a minimum of 60 credits from one specialisation as listed in Part II of the Schedule to the degree, including at least 45 credits above 100-level, of which at least 15 credits must be at 300-level.
- (b) Notwithstanding regulation 8(a), where a paper outside of a major is required as a prerequisite or corequisite for a paper in the major then a maximum of 15 credits from outside the major may be included in the minor for that subject area.
- (c) The minor must be in a different discipline from the major(s).
- (d) Notwithstanding regulation 8(a) minors may be included from any undergraduate degree within the University for which recognised minors are specified.
- (e) Where the minor is from another undergraduate degree the regulations of that qualification for the minor will apply.
- (f) No paper may be credited to both a major and a minor.
- (g) No paper may be credited to more than one minor.
9. Majors and Minors available in the Bachelor of Business Studies are: Accountancy, Agribusiness,¹ Business Information Systems, Business Law (minor only), Communication, Economics, Entrepreneurship and Small Business, Finance, Financial Economics,¹ Human Resource Management, Information Systems,¹ International Business, Management, Marketing, Marketing Communication,¹ Sport Business Management,¹ Valuation and Property Management, Web-Based Information Systems.¹

Note: 1. These majors are only available for students under 2012 or prior regulations.

Academic Requirements

10. Notwithstanding Regulation 2, candidates who fail the communication assessment embedded in the Bachelor of Business Studies core papers will normally be required to pass an approved communication paper to qualify for the Bachelor of Business Studies degree.

Student Progression

11. There are no additional student progression requirements.

Completion Requirements

12. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
13. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Business Studies should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

14. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

15. Candidates who enrolled in the Bachelor of Business Studies prior to 2013 may complete under the Bachelor of Business Studies regulations as they appear in the 2012 Massey University Calendar. These transition arrangements expire at the end of 2015.

Schedule for the Degree of Bachelor of Business Studies

Part I

Core Papers for the Bachelor of Business Studies

115.101	Statistics for Business	15	R 195.101, 161.100, 161.110, 161.120 and 161.130
115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	R 156.100, 156.200
115.105	Fundamentals of Finance	15	R 125.100, 10.200 (pre-1997)
115.106	Economics	15	R 178.101
115.107	Management Information Systems	15	R 157.100
115.108	Organisations and Management	15	R 152.100

Part II

Papers for the Bachelor of Business Studies specialisations

Accountancy (120 credits)

(a) Compulsory papers (90 credits):

110.109	Introductory Financial Accounting	15	P/C 115.102 or P 110.100; R 110.215, 110.230, 110.213 (pre-1999)
110.209	Intermediate Financial Accounting	15	P 110.109 or 110.215 or 110.230; R 10.210, 10.213 (pre-1999), 110.313
110.229	Management Accounting	15	P110.109 or 110.215 or 110.230; R 110.200, 10.220, 110.223
110.303	Integrative Accounting	15	P 240 credits inclusive of 110.209 or 110.313; 110.223 or 110.229 and at least 15 credits at 300-level with a 110 prefix from the BBS Schedule.
110.309	Advanced Financial Accounting	15	P 110.209 or 110.313; R 10.310, 110.713
110.329	Advanced Management Accounting	15	P 110.229 or 110.223; R 10.320, 110.723

(b) Elective 200-level papers (15 credits):

110.249	Accounting Information Systems	15	P 110.109 or 110.215 or 110.230; and 115.107 or 157.100 or PHOS; R 110.243, 10.240
110.279	Auditing	15	P 110.100 or 110.230 or 115.102; R 10.273, 110.274
110.289	Taxation	15	P 110.100 or 110.230 or 115.102; R 10.283, 110.274

(c) Elective 300-level papers (15 credits):

110.349	Advanced Accounting Information Systems	15	P 110.249 or 110.243; R 110.743
110.379	Advanced Auditing	15	P 110.109 or 110.215 or 110.230; and 110.279 or 110.274; R 10.370, 110.773
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783

Agribusiness (90 credits) (no new enrolments from 2012)

Business Information Systems (120 credits)

(a) Compulsory papers (90 credits):

152.252	Project Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper
157.240	Social Media Networks for Business	15	P any 15 credits
157.241	Information Systems, Organisations and ECommerce	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx; R 157.242
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx
157.341	Strategic Management for Information Systems	15	P 157.2xx or 158.2xx or 159.2xx; 157.301, 157.373

(b) Elective papers (30 credits):

152.304	Managing Services	15	P any two papers at 200-level
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365
157.325	Information Management Project	15	P 157.24x; 157.341; R 157.342, 157.381

Business Law minor (60 credits)

(a) Compulsory papers (15 credits):

155.202	Essentials of Law	15	
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(b) Elective papers (45 credits)

110.289	Taxation	15	P 110.100 or 110.230 or 115.102; R 10.283, 110.274
110.380	Estate and Tax Planning	15	P 110.274 or 110.289 or 125.211; C 125.211
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700

155.203	Law of Business Organisations	15	P 115.103 or 155.202; R 155.200, 155.700
155.210	Commercial Law	15	P 115.103 or 155.202; R 155.200, 155.700
155.301	Employment Law	15	P 115.103 or 155.202 or 114.254, or 153.200 and 153.202; R 152.351, 155.700
155.313	Commercial Transactions Contrary to Conscience	15	P 115.103 or 155.202; R 155.700
155.315	Sport Law	15	P 115.103 or 155.202 recommended

Communication (120 credits)

(a) Compulsory papers (60 credits):

219.204	News Media Processes	15	P any 100-level paper
219.209	Public Relations Practice	15	P any 100-level paper
219.303	Organisational Communication	15	P any 200-level paper
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GDipBusStuds; R 114.363

(b) Elective 200-level papers (30 credits):

219.202	Professional and E-Business Writing	15	P any 100-level paper
219.203	Business Communication	15	P any 100-level paper
219.205	Professional Presentations in Business	15	P any 100-level paper
219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263

(c) Elective 300-level papers (30 credits):

219.302	Gender and Communication in Organisations	15	P any 200-level paper
219.304	Cross-Cultural Communication	15	P any 200-level paper
219.307	Interpersonal Communication	15	P any 200-level paper
219.335	Media Law and Ethics	15	P any 30 credits at 200-level; R 219.331

Economics (120 credits)

(a) Compulsory papers (75 credits):

178.100	Principles of Macroeconomics	15	R 12.101, 77.101, 78.100 (pre-1997), 178.102
178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201

(b) Elective 200-level papers (15 credits):

178.221	Methods of Economic Analysis	15	P 115.106 or any 178.1xx paper
178.250	Contemporary Economic Issues	15	P any 100-level paper
178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120, and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220

(c) Elective 300-level papers (30 credits):

178.307	Markets, Firms and Consumers	15	P 178.201 or 178.204 or 125.230; or (115.106 or 178.101) and 178.280
178.350	International Economics	15	P 178.201 or 178.240 or 178.204
178.360	Natural Resource and Environmental Economics	15	P any 100-level Econ paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or any 178.xxx paper; and any 15 credits at 200-level
178.380	Applied Econometrics	15	P 178.220 or 178.280; R 178.321, 178.320

Entrepreneurship and Small Business (120 credits)

(a) Compulsory papers (75 credits):

152.230	Entrepreneurship	15	P any 100-level paper
152.232	Small Business Management	15	P any 100-level paper
152.330	Enterprise Development	15	P any two papers at 200-level
152.333	New Venture Project	15	P any 200-level paper

152.334	Innovation, Creativity and Entrepreneurship	15	P any 200-level paper
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(b) Elective papers (30 credits):

152.200	Contemporary Management	15	P any 100-level paper
152.252	Project Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper

(c) Elective papers (15 credits):

152.336	Leadership	15	R 152.328, 152.329
152.392	Environmental Management for Business	15	P any 200-level paper

Finance (120 credits)

(a) Compulsory papers (75 credits):

125.220	Financial Institutions and Markets	15	P 115.105 or 125.100 recommended. R 125.221, 25.231, 25.621
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 pre-2009 or 110.100 pre-1997; 115.101 or 161.110 recommended; R 125.201
125.241	Introduction to Investments	15	P 115.105 or 125.100; R 125.240
125.330	Advanced Business Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
125.340	Investment Analysis	15	P 125.230; and either 125.220 or 125.241; R 125.342

(b) Elective papers (45 credits):

125.250	Financial Modelling	15	P 115.105 and 115.101
125.320	International Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
125.350	Financial Risk Management	15	P 125.230; and either 125.220 or 125.241
125.364	Bank Financial Management	15	P 115.105 and 125.220; R 125.360, 125.361, 125.362, 125.363

Financial Economics (90 credits) (no new enrolments from 2011)

Human Resource Management (120 credits)

(a) Compulsory papers (105 credits):

114.240	Organisational Behaviour	15	P any 100-level paper
114.241	Managing Human Resources	15	P any 100-level paper
114.254	Managing Employment Relations	15	P any 100-level paper
114.326	Human Resource Practices	15	P 114.241
114.396	Strategic Human Resource Management	15	P 114.241
114.330	Equity and Diversity in the Workplace	15	P any 200-level paper
114.350	Current Issues in Human Resource Management	15	P 114.240, or 114.241 or 114.254

(b) Elective papers (15 credits):

114.242	Human Resource Development	15	P any 100-level paper
152.200	Contemporary Management	15	P any 100-level paper
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx

Information Systems (no new enrolments from 2007)

International Business (120 credits)

(a) Compulsory papers (90 credits):

152.200	Contemporary Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper
152.263	Applied International Trade Management	15	P any 100-level paper
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365
152.366	Operational Management of International Business	15	P any two papers at 200-level
219.304	Cross-Cultural Communication	15	P any 200-level paper

(b) Elective 300-level papers (15 credits):

152.336	Leadership	15	R 152.328, 152.329
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx

(c) Elective papers (15 credits):

152.252	Project Management	15	P any 100-level paper
152.203	Business and Society	15	P any 100-level paper; R 152.101
152.230	Entrepreneurship	15	P any 100-level paper
153.204	Negotiation Principles	15	P any 100-level paper; R 153.307

Management (120 credits)

(a) Compulsory papers (60 credits):

152.200	Contemporary Management	15	P any 100-level paper
152.203	Business and Society	15	P any 100-level paper; R 152.101
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365.

(b) Elective 200-level papers (30 credits):

152.252	Project Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper
152.270	Maori Management	15	P any 100-level paper
153.204	Negotiation Principles	15	P any 100-level paper

(c) Elective 300-level papers (15 credits):

152.304	Managing Services	15	P any two papers at 200-level
152.333	New Venture Project	15	P any 200-level paper
152.360	Change Management	15	R 152.303, 152.341
152.370	Te Whanaketanga o te Pakihi Māori – Advanced Māori Business Development and Management	15	P Any 15 credits at 200-level
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx

(d) Elective 300-level papers (15 credits):

152.3xx		15	
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Note: 115.388 (30 credits) may be included in lieu of 15 credits from Part (c) and 15 credits from Part (d).

Marketing (120 credits)

(a) Compulsory papers (60 credits):

156.231	Strategic Marketing Management	15	P 115.104 or 156.200
156.232	Consumer Behaviour	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes; R 156.702
156.233	Marketing Research	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes. 115.101 or 161.110 (recommended); R 156.703
156.334	Marketing Planning	15	P 156.231 and 156.232

(b) Elective papers (15 credits):

156.235	Electronic Marketing	15	
156.237	Marketing Communication	15	P 115.104 or 156.200; R 156.234 or 156.236
156.238	Marketing New Products	15	P 115.104

(c) Elective papers (45 credits):

156.333	Market Analysis	15	P 156.231 and 156.233
156.338	International Marketing	15	P 156.231 and 156.232
156.339	Retail Marketing	15	P 156.231
156.340	Customer Intelligence	15	P 156.233
156.341	Branding	15	P 156.231 and 156.232
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GDipBusStuds; R 114.363

Marketing Communication (90 credits) (no new enrolments from 2012)**Sport Business Management (90 credits) (no new enrolments from 2013)****Valuation and Property Management (120 credits)**

(a) Compulsory papers (90 credits):

127.241	Real Estate Valuation and Management	15	P any 100-level paper; R 127.243
127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
127.341	Property Management and Development	15	P 127.241 or P 127.243 or P 127.244
127.342	Real Estate Investments	15	P 127.241 and (127.242 or PHOS)
127.343	Applied Valuation II	15	P 127.242
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700

(b) Elective 200-level papers (15 Credits)

125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 pre-2009 or 110.100 pre-1997; 115.101 or 161.110 recommended; R 125.201
138.281	Building Technology : Construction and Design	15	P any 100-level paper; R 138.254, 138.282
178.242	Land Economics	15	P any 100-level 178 prefix paper

(c) Elective 300-level papers (15 credits)

125.330	Advanced Business Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
138.382	Building Technology: Services	15	P one of 138.281, 138.282, 138.254, 127.362
178.360	Natural Resource and Environmental Economics	15	P any 100-level 178 prefix paper and any 200-level paper

Web-Based Information Systems (no new enrolments)**Part III****Elective Papers for the Bachelor of Business Studies**

Elective papers may be taken from the Schedules to any undergraduate degree or diploma in the College of Business, including the BBS, or from any undergraduate degree or diploma within the university.

The Degree of Bachelor of Commercial Music

BCommMus

Available from 2016

Qualification Regulations**Part I**

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II**Admission**

- Admission to the Degree of Bachelor of Commercial Music requires that the candidate will meet the University admission requirements as specified.
- Admission to the Music Practice major will be by selection on the basis of an audition.

Qualification Requirements

3. Candidates for the Degree of Bachelor of Commercial Music shall follow a flexible course of study, which shall consist of papers totalling 360 credits, comprising:
 - (a) at least 300 credits selected from the Schedule to the degree;
 - (b) not more than 150 credits at 100 level;
 - (c) at least 105 credits at 300-level;
 and including
 - (d) the core papers as specified in Schedule A;
 - (e) any compulsory papers specified in the Schedule to the degree;
 - (f) attending studios, workshops, tutorials, and events as required.

Specialisations

4. Candidates must complete the requirements of one major as specified in Schedule B to the Qualification.
5. Majors available for the Bachelor of Commercial Music are: Music Industry, Music Practice and Music Technology.
6. Candidates may complete a minor by passing at least 60 credits from the schedule for one of the Bachelor of Commercial Music majors, including:
 - (a) at least 45 credits above 100-level; and
 - (b) at least 15 credits at 300-level.
7. Minors available for the Bachelor of Commercial Music are: Music Industry, Music Practice, and Music Technology.
8. Notwithstanding Regulation 7, candidates may include a minor from any undergraduate degree within the university for which recognised minors are specified.
9. Where a minor is from another undergraduate degree the regulations of that qualification for the minor will apply.
10. No paper may be credited to both a major and a minor.

Completion Requirements

11. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
12. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an alternative qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

13. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Core Papers for the Bachelor of Commercial Music

133.155	Web Development, Social Media and the Cloud	15	
133.156	The Recorded Work	15	C 133.155 and [(133.165 and 133.166) or (133.175 and 133.176 and 133.177) or (133.185 and 133.186)]
133.157	Music Video Production	15	
133.158	The Musical Engagement 'Gig'	15	C 133.157 and one of 133.167 or (133.175 and 133.176) or 133.187
133.255	Contemporary Musicology	15	
133.256	Music Media	15	P 133.155 or Permission Paper Coordinator
133.257	Philosophical Perspectives in Music	15	

			P (133.155, 133.156, 133.157, 133.158, 133.165, 133.166, 133.167, 133.256 and 133.265) and C 133.267 OR P (133.155, 133.156, 133.157, 133.158, 133.175, 133.176, 133.177 and 133.256,) and C 133.275 and 133.276 OR P 133.155, 133.156, 133.157, 133.158, 133.185, 133.186, 133.187 and 133.256
133.258	Music Touring	15	
133.355	Political Economy, Freeeconomy and Community	15	
133.356	Graduate Portfolio Development	15	P 60 133.2xx credits

Schedule B: Papers for the Bachelor of Commercial Music Majors

Music Industry

133.165	Music Publishing	15	
133.166	Music Label Development	15	C 133.165
133.167	Live Music 1	15	
133.265	Artist and Repertoire	15	P 133.165 and 133.166 and 133.167
133.267	Live Music 2	15	P 133.167
133.365	The Music Manager	15	P 133.256, 133.258, 133.265, 133.267
133.366	Future Music	15	P 133.256, 133.258, 133.265, 133.267; C 133.355, 133.365
133.367	Music Industry Major Project Pre Production	15	P 133.255, 133.256, 133.257, 133.265, 133.267
133.368	Music Industry Major Project	30	P 133.367

Music Practice

133.175	Music Instrument Practice 1	15	P Audition
133.176	Music Composition and Arrangement 1	15	P Audition
133.177	Music Studio Production	15	
133.275	Music Instrument Practice 2	15	P 133.175 or Audition
133.276	Music Composition and Arrangement 2	15	P 133.176 or Permission Paper Coordinator
133.375	Music Instrument Practice 3	15	P 133.275 or Permission Paper Coordinator
133.376	Music Composition and Arrangement 3	15	P 133.276 or Permission Paper Coordinator
133.377	Music Practice Major Project Pre Production	15	P 133.255, 133.256, 133.257, 133.275, 133.276
133.378	Music Practice Major Project	30	P 133.377

Music Technology

133.185	Music and Sound Engineering	15	
133.186	Musical Interface and Interaction	15	
133.187	Live Technologies – Sound and Light	15	P 133.185
133.285	Music Software Development 1	15	
133.286	Music Hardware and Electronics 1	15	
133.385	Music Software Development 2	15	P 133.186, 133.285
133.386	Music Hardware and Electronics 2	15	P 133.286
133.387	Music Technology Major Project Pre Production	15	P 133.255, 133.256, 133.257, 133.285, 133.286
133.388	Music Technology Major Project	30	P 133.387

Schedule C: Elective papers for the Bachelor of Commercial Music

Up to 60 credits from any other papers offered by the University and may include:

133.190	Music Special Topic	15	Permission Paper Coordinator
133.290	Music Special Topic	15	Permission Paper Coordinator
133.390	Music Special Topic	15	Permission Paper Coordinator

The Degree of Bachelor of Communication

BC

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of Communication requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Bachelor of Communication shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits comprising:
 - not more than 165 credits at 100-level;
 - at least 75 credits at 300-level;
 - at least 300 credits from the Schedule for the Degree of Bachelor of Communication;
 And including:
 - the core communication papers listed in Part A of the Bachelor of Communication Schedule;
 - one major (120 credits) and one minor (60 credits) in accordance with the combinations specified in Regulations 4 and 5;
 - the remaining papers (60 credits) from any undergraduate degree of the University.

Specialisations

- Candidates must complete a major by passing at least 120 credits in a major. The requirements for each major are set out in Part B of the Schedule for the Qualification.
- Candidates must complete a minor by passing at least 60 credits in a minor. The requirements for each minor are set out in Part B of the Schedule for the Qualification.
- Candidates completing a major in Communication Management, Journalism Studies, Marketing Communication, Public Relations, or composite Communication Management/Journalism Studies must complete a minor in Expressive Arts, International Languages, Linguistics, Media Studies, or composite Expressive Arts/Media Studies.
- Candidates completing a major in Expressive Arts, Linguistics, Media Studies or composite Expressive Arts/Media Studies must complete a minor in Communication Management, Journalism Studies, Marketing Communication, Public Relations or composite Communication Management/Journalism Studies.
- No paper may be credited to both a major and a minor.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply;
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Communication, or the Graduate Diploma in Business Studies endorsed in Communication Management or the Diploma in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Bachelor of Communication

Part A

Core papers for the Bachelor of Communication

115.104	Principles of Marketing	15	R 156.100, 156.200
139.133	Creative Communication	15	
154.101	Introduction to Media Studies	15	
172.131	Language and Communication	15	
219.100	Introduction to Business Communication	15	R 114.100, 114.253, 219.203
219.101	Media Skills	15	
219.107	Introduction to Cross-Cultural Communication	15	
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130

Part B

Specific papers for the Bachelor of Communication Majors and Minors

Communication Management Major (120 credits)

No more than 60 credits from:

219.202	Professional and E-Business Writing	15	P any 100-level paper
219.205	Professional Presentations in Business	15	P any 100-level paper
219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263
219.209	Public Relations Practice	15	P any 100-level paper

At least 60 credits from:

219.302	Gender and Communication in Organisations	15	P any 200-level paper
219.303	Organisational Communication	15	P any 200-level paper
219.304	Cross-Cultural Communication	15	P any 200-level paper
219.307	Interpersonal Communication	15	P any 200-level paper
219.310	Speech Writing	15	P any 200-level paper
219.311	Communication Internship	15	P 219.2xx and PHOS

Minor requirements

A minor consists of 60 credits in Communication Management, including at least 15 credits at 300-level.

Expressive Arts Major (120 credits)

No more than 60 credits from:

139.209	Speaking: Theory and Practice	15	P any 100-level BA paper; or any one of 119.155, 237.130, 206.101, 206.104, 270.105, 219.100, PERF135, PERF 136, PERF235, PERF236
139.220	Applied Theatre: Theatre for Social Change	15	P any 100-level BA paper, or 237.130.
139.223	Creative Processes	15	P any 100-level BA paper; or any one of 152.230, 152.334, 206.102, 206.110 or 270.110; or 237.130.
139.224	Making Plays for Theatre	15	P any 100-level BA paper; or any one of 234.130 or 206.222
139.225	Writing for Children	15	
139.226	Life Writing	15	P any 100-level BA paper; or any one of 237.130, 206.206, 206.207
139.229	Writing Poetry	15	P 139.123 or 139.133
154.204	Digital Media Production I	15	P any 100-level BA paper
154.224	Documentary (Non-Fiction) Film	15	P any 100-level BA paper, or 237.130

At least 60 credits from:

139.303	Modern Drama	15	P any 200-level English paper
139.320	Theatre in Production	15	P any one of 139.220, 139.223, 139.224, 139.303, 224.204 or 224.304 or any 200-level 133 prefix paper
139.323	Media Script Writing	15	P any 200-level English or Media Studies paper
139.326	Travel Writing	15	P any 200-level BA paper; or any one of 206.206, 206.207, 219.202, 219.204, 219.231, 237.230
139.327	Writing Creative Nonfiction	15	P any 200-level BA paper or any one of the following: 219.202, 219.204, 219.209, 219.231, 237.230
139.329	Advanced Fiction Writing	15	P 139.123 or 139.133 and any 200-level 139 prefix paper
139.333	Creativity in the Community	15	P any one of 139.123, 139.104, 139.133, 154.204, or 139.223
139.374	Tragedy	15	P any 200-level BA paper
154.304	Digital Media Production II	15	P 154.204

Minor requirements

A minor consists of 60 credits in Expressive Arts, including at least 15 credits at 300-level.

International Languages (60 credit Minor only, there is no major in International Languages)

(a) Chinese

241.201	Chinese 2A	15	P 241.102, or 169.141 and 169.142, or PHOS; R 241.202, 241.301, 241.302, 241.304, 241.305, 241.306;
241.202	Chinese 2B	15	P 241.201 or PHOS; R 241.301, 241.302, 241.304, 241.305, 241.306
241.203	20th Century Chinese Literature and Society	15	R 169.243
241.204	Chinese Film	15	P any 100-level BA paper; R 169.244
241.301	Chinese 3A	15	P 241.202, or 241.241 and 241.242, or PHOS; R 241.302
241.302	Chinese 3B	15	P 241.301 or PHOS; R 241.341, 241.342, 169.341, 169.342. Notes 1, 2
241.304	Chinese Grammar	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.344
241.305	Translation from and into Chinese	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.343

(b) French

243.201	Intermediate French Language I	15	P 243.102 or 164.107 or equivalent; R 243.202, 243.301
243.202	Intermediate French Language II	15	P 243.201 or 164.101 or 164.200 or equivalent; R 243.301
243.301	Advanced French Language	15	P 243.202 or 164.201; R 164.301
243.304	Contemporary French Popular Culture	15	P 243.301 or 164.301; R 164.307

(c) German (no new enrolments from 2011)

(d) Japanese

242.201	Japanese 2A	15	P 242.102 or 169.121 and 169.122 or PHOS; R 242.202, 242.301, 242.302, 242.304, 242.305, 242.306, 242.307
242.202	Japanese 2B	15	P 242.201 or PHOS; R 242.301, 242.302, 242.304, 242.305, 242.306, 242.307
242.203	Japanese Language and Society	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.224
242.205	Japanese Cinema	15	P any 100-level BA paper; R 169.227
242.301	Japanese 3A	15	P 242.201 or 169.221 and 169.222 or PHOS; R 242.302
242.302	Japanese 3B	15	P 242.301 or 169.221 and 169.222 or PHOS; R 169.322
242.304	Reading and Writing about Current Japan	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.324

242.305	Readings in Modern Japanese Literature	15	P 242.202 or 169.221 and 169.222 or PHOS; C 242.301 and 242.302 or PHOS; R 169.326
242.306	Japanese Linguistics	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.327
242.307	Japanese-English Translation Techniques	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.328

(e) Spanish

245.201	Intermediate Spanish Language I	15	P 245.102 or 164.152 or equivalent level; R 245.202, 245.301
245.202	Intermediate Spanish Language II	15	P 245.201 or 164.251 or equivalent level; R 245.301
245.203	The Sound of Spanish: Diction, Dialects and Diversity	15	P 245.201
245.204	Latin American Voices	15	P 245.201 or 164.251; R 164.255
245.301	Advanced Spanish Language	15	P 245.202 or 164.252; R 164.351
245.302	Theory and Practice of Translation	15	C 245.301; R 164.361
245.303	Latin American Rhythms and Politics: From Tango to Rock	15	P 245.202 or 164.252 or 245.204 or 164.255; R 164.354
245.304	Traveller's Tales: the Invention of Latin America	15	P 245.202 or 245.204
245.305	Spanish Conversation on Film	15	P 245.202 or 164.252

Notes

1. Not suitable for native speakers of Chinese. Please discuss other options with the Head of School or Programme Coordinator
2. Suitable for heritage learners with a knowledge of 750 (approximately) characters.

Major requirements

There is no major in International Languages.

Minor requirements

A minor in International Languages requires a minimum of 60 credits, including at least 15 credits at 300-level, from the papers listed for one of the following options: (a) Chinese; (b) French; (c) German; (d) Japanese; or (e) Spanish.

A minor in option (a) Chinese must include 241.201 and 241.202.

A minor in option (b) French must include 243.201 and 243.202.

A minor in option (c) German is no longer available

A minor in option (d) Japanese must include 242.201 and 242.202.

A minor in option (e) Spanish must include 245.201 and 245.202.

Students who have previously studied the target language should consult the School of Language Studies for guidance prior to enrolment. Students who are exempt from the above 200-level papers will be required to replace them with appropriate papers in the same language.

Journalism Studies Major (120 credits)

30 credits from:

219.231	Introduction to Journalism	15	P any 100-level paper
219.340	Feature Writing and Freelancing	15	P 219.231; R 219.232

No more than 45 credits from:

219.204	News Media Processes	15	P any 100-level paper
219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263
219.234	Editing and Publishing	15	P any 30 credits or one of 219.100, 230.100 or 139.107 or 119.177
154.224	Documentary (Non-Fiction) Film	15	Any 100-level BA paper, or 237.130

At least 45 credits from:

219.311	Communication Internship	15	P 219.2xx and PHOS
219.335	Media Law and Ethics	15	P any 30 credits at 200-level; R 219.331
219.336	Investigative Reporting	15	P any 200-level paper; R 219.332
219.339	History of Journalism	15	P any 200-level paper

Minor requirements

A minor consists of 60 credits in Journalism Studies, including at least 15 credits at 300-level.

Linguistics Major (120 credits)

No more than 60 credits from:

172.232	Language and Society in New Zealand	15	P any 100-level BA paper
172.233	Language Learning Processes	15	P any 100-level BA or BEd paper
172.235	Linguistic Analysis	15	P any 100-level BA paper; R 172.231
172.236	Forensic Linguistics	15	P any 100-level BA paper
172.237	Language, Discourse and Power	15	P any 100-level BA paper
172.239	Language and Culture	15	R 172.132

At least 60 credits from:

172.334	Field Methods	15	P 172.235
172.335	Language and Identity	15	P 172.232 or 172.237
172.336	Languages of the Pacific	15	P any 200-level Linguistics paper
172.338	Language and Mediated Communication in a Transcultural World	15	P any 200-level paper in Linguistics

Minor requirements

A minor consists of 60 credits in Linguistics, including at least 15 credits at 300-level.

Marketing Communication Major (120 credits)

60 credits from:

156.231	Strategic Marketing Management	15	P 115.104 or 156.200; R 156.701
156.232	Consumer Behaviour	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes; R 156.702
156.237	Marketing Communication	15	115.104 or 156.200; R 156.234 or 156.236
156.334	Marketing Planning	15	P 156.231 and 156.232

15 credits from:

219.202	Professional and E-Business Writing	15	P any 100-level paper
219.209	Public Relations Practice	15	P any 100-level paper

45 credits from:

219.304	Cross-Cultural Communication	15	P any 200-level paper
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GDipBusStuds; R 114.363
219.307	Interpersonal Communication	15	P any 200-level paper
219.311	Communication Internship	15	P any 219.2xx and PHOS
219.335	Media Law and Ethics	15	P Any two 200-level papers; R 219.331

Minor requirements

A minor consists of 60 credits in Marketing Communication, including at least 15 credits at 300-level. At least 30 credits must be from 156-prefix papers and at least 30 credits must be from 219-prefix papers.

Media Studies Major (120 credits)

No more than 60 credits from:

154.201	Television Studies	15	P any 100-level BA paper
154.202	Advertising and Consumer Society	15	P any 100-level BA paper; or any one of 115.104, 156.100, 237.130
154.203	Popular Culture and the Media	15	P any 100-level BA paper
154.204	Digital Media Production I	15	P any 100-level BA paper
154.205	Popular Music Studies	15	P any 100-level BA paper
154.206	Topics in Film History	15	P any 100-level BA paper
154.212	New Zealand Cinema	15	P any 100-level BA paper
154.215	Cult Media and Fandom	15	P any 100-level BA paper
154.222	The Art of the Film	15	P any 100-level BA paper
154.224	Documentary (Non-Fiction) Film	15	P any 100-level BA paper, or 237.130
154.228	Media History	15	P any 100-level BA paper; R 139.228

At least 60 credits from:

139.323	Media Script Writing	15	P any 200-level English or Media Studies paper
139.333	Creativity in the Community	15	P any one of 139.123, 139.104, 139.133, 154.204, or 139.223
139.376	Sexual/Textual Politics	15	P any 200-level BA paper
154.301	Cultural Studies and the Media	15	P any 200-level Media Studies paper
154.302	Gender and Race in the Media	15	P any 200-level BA paper
154.303	Hollywood Cinema	15	P any 200-level Media Studies paper
154.304	Digital Media Production II	15	P 154.204
154.305	A Social History of Popular Music	15	P any 200-level BA paper
154.308	Screen Fictions	15	P any 200-level English or Media Studies paper
154.309	Communications and Culture	15	P any 200-level BA paper; R 139.308
154.311	Social Media and Digital Cultures	15	
154.312	Trauma and the Media	15	P any 200-level BA paper
154.313	Global Media Cultures	15	P any 200-level Media Studies paper
154.314	Independent Media in the Information Age	15	P any 200-level Media Studies paper

Minor requirements

A minor consists of 60 credits in Media Studies, including at least 15 credits at 300-level.

Public Relations Major (120 credits)

30 credits from:

219.209	Public Relations Practice	15	P any 100-level paper
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GDipBusStuds; R 114.363

No more than 45 credits from:

219.204	News Media Processes	15	P any 100-level paper
219.205	Professional Presentations in Business	15	P any 100-level paper
219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263
219.231	Introduction to Journalism	15	P any 100-level paper

At least 45 credits from:

219.309	International Case Studies in Public Relations	15	P any 200-level paper
219.310	Speech Writing	15	P any 200-level paper
219.311	Communication Internship	15	P 219.2xx and PHOS
219.312	Risk and Crisis Communication	15	P any 60 credits at 200-level
219.335	Media Law and Ethics	15	P Any two 200-level papers; R 219.331

Minor requirements

A minor consists of 60 credits in Public Relations, including both 219.209 and 219.305.

Composite Communication Management/Journalism Studies (only available through transnational agreements)**Major requirements**

A major consists of 120 credits from Communication Management and Journalism Studies papers, with at least 45 credits in Communication Management and at least 45 credits in Journalism Studies, and including at least 60 credits at 300-level.

Minor requirements

A minor consists of 60 credits from Communication Management and Journalism Studies papers, with at least 30 credits in Communication Management and at least 30 credits in Journalism Studies, and including at least 15 credits at 300-level.

Composite Expressive Arts/Media Studies**Major requirements**

A major consists of 120 credits from Expressive Arts and Media Studies, including at least 45 credits in Expressive Arts and 45 credits in Media Studies, with at least 60 credits at 300-level.

Minor requirements

A minor consists of 60 credits from Expressive Arts and Media Studies papers, with at least 30 credits in Expressive Arts and at least 30 credits in Media Studies, and including at least 15 credits at 300-level.

The Degree of Bachelor of Construction BConst

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Degree of Bachelor of Construction requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

2. Candidates for the Degree of Bachelor of Construction shall follow a parts-based course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - (a) Parts I, II, and III as defined by the Schedule to the Degree; And including:
 - (b) the compulsory papers listed in the Schedule for the Qualification;
 - (c) at least one major;
 - (d) attending field trips, studios, workshops, tutorials, and laboratories as required.
3. Candidates who, in the opinion of the Academic Board, have passed with sufficient merit subjects for the New Zealand Diploma in Quantity Surveying or the New Zealand Diploma in Construction Management, or subjects for some other recognised tertiary qualification, may be cross-credited with specified or unspecified papers not exceeding a total of 165 credits from Parts I and II.

Specialisations

4. Candidates may complete a major by completing the specified Part III for that major. The requirements for each major are set out in the Schedule for the Qualification.
5. Majors available are: Quantity Surveying, Construction Management.

Academic Requirements

6. Each candidate shall complete to the satisfaction of Academic Board a minimum of 600 hours of approved industry work experience relating to the chosen major and two associated reports in accordance with the requirements for:
 - (a) 218.110 Construction Industry Work Experience I, and
 - (b) 218.210 Construction Industry Work Experience II.Work experience must be completed in accordance with the requirements laid down by the Practical Work Office.

Student Progression

7. Progression from Part I to II, and from Part II to III, is on the basis of completion of the requirements of the prior Part.
8. Notwithstanding Regulation 7, and at the discretion of Academic Board, Candidates may be permitted to enrol in papers from a later Part while completing the unpassed papers from the prior part. Such permission will be granted where, in the opinion of Academic Board, both the academic record of the candidate shows proven merit, and the nominated papers from the later Part are from different areas of study to the unpassed papers in the prior Part.

Completion Requirements

9. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates will apply.

10. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

11. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

12. All candidates commencing study towards the Bachelor of Construction on or after 1 January 2013, and all candidates who commenced study toward the Bachelor of Construction prior to 2013 and who have not yet passed 180 credits towards the degree, must satisfy the requirements specified in these regulations.
13. All candidates who commenced study towards the Bachelor of Construction prior to 2013, and who have passed at least 300 credits whilst enrolled in the Bachelor of Construction, may complete under the regulations in the 2013 Massey University Calendar (or earlier regulations) until the end of the 2015 academic year, pending the availability of papers.
14. All candidates who commenced study towards the Bachelor of Construction prior to 2013, and who have passed at least 180 credits whilst enrolled in the Bachelor of Construction, may complete under these regulations but will complete the Part III as defined by Schedule B instead of Schedule A.
15. Candidates who commenced study towards the Bachelor of Construction prior to 2013 or earlier may choose to transfer to these regulations, but must satisfy all requirements specified in these regulations.
16. Candidates who commenced study towards the Bachelor of Construction prior to 2013, but who have not completed the qualification by the end of the 2015 academic year, will be required to transfer to these regulations.
17. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements. These transition regulations expire at the end of 2015.

Schedule A

Part I

Compulsory papers (120 credits):

115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	
115.105	Fundamentals of Finance	15	R 125.100
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231; a student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period
218.100	Construction Materials	15	
218.122	Sustainable Buildings and Computer-Aided Design	15	P 218.172 or 138.281 or 138.254
218.150	Introduction to Built Environment and Measuring Systems	15	
218.172	Design and Construction: Residential	15	R 138.254, 138.282, and 138.281

Quantity Surveying

Part II

Compulsory papers (120 credits):

127.241	Real Estate Valuation and Management	15	P Any 100-level paper; R 217.243 (1997–1999)
152.252	Project Management	15	P Any 100-level paper
153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
218.211	Construction Economics and Estimating	15	P 218.150 and 218.172
218.213	Measuring Systems I	15	P 218.172 and 218.150
218.214	Measuring Systems II	15	P 218.213
218.271	Construction and Design: Commercial	15	P 218.172 or 138.281 or 138.254; R 217.271
218.274	Building Services	15	P 218.172 or 138.281 or 138.254; R 217.274

Part III (from 2015)

Compulsory papers (105 credits):

218.311	Construction Contract and Financial Administration	15	P Any 218.2xx paper or PPD
218.315	Construction Law	15	P Any 218.2xx paper or PPD
218.340	Construction Research Project	30	P at least 240 credits; C at least 2 x 218.3xx papers or PPD; R 218.422
218.374	Construction and Design Multi-Storey	15	P 218.271; R 217.374
218.313	Construction Innovation and Building Information Modeling	15	P 218.271 and 218.122
218.414	Construction Planning and Scheduling	15	P Any 218.2xx paper or PPD

Specialisation papers (15 credits):

114.254	Managing Employment Relations	15	P Any 100-level paper
114.271	Occupational Safety and Health I	15	P Any 100-level paper
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre-2009), or 110.100 (pre-1997); 115.101 or 161.110 (recommended); R 25.201
127.341	Property Management and Development	15	P 127.241 or 127.243 or 127.244
152.386	Risk Management I	15	P Any 200-level paper
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
218.280	Construction Operations and Control	15	P 218.172 or 218.150

Construction Management

Part II

Compulsory papers (120 credits):

114.271	Occupational Safety and Health I	15	P Any 100-level paper
127.241	Real Estate Valuation and Management	15	P Any 100-level paper; R 27.243 (1997–1999)
152.252	Project Management	15	P Any 100-level paper
153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
218.211	Construction Economics and Estimating	15	P 218.150 and 218.172
218.271	Construction and Design: Commercial	15	P 218.172 or 138.281 or 138.254; R 217.271
218.274	Building Services	15	P 218.172 or 138.281 or 138.254; R 217.274
218.280	Construction Operations and Control	15	P 218.172 or 218.150

Part III (from 2015)

Compulsory paper (105 credits):

218.311	Construction Contract and Financial Administration	15	P Any 218.2xx paper or PD approval
218.315	Construction Law	15	P Any 218.2xx paper or PD approval
218.340	Construction Research Project	30	P at least 240 credits; C at least 2 x 218.3xx papers or PPD; R 218.422
218.374	Construction and Design Multi-Storey	15	P 218.271; R 217.374
218.313	Construction Innovation and Building Information Modeling	15	P 218.271 and 218.122

218.414	Construction Planning and Scheduling	15	P Any 218.2xx paper or PPD
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Specialisation papers (15 credits):

114.254	Managing Employment Relations	15	P Any 100-level paper
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre 2009), or 110.100 (pre 1997); 115.101 or 161.110 (recommended); R 25.201
127.341	Property Management and Development	15	P 127.241 or 127.243 or 127.244
152.386	Risk Management I	15	P Any 200-level paper
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
287.341	Quality Systems Design	15	R 143.341
218.213	Measuring Systems I	15	P 218.172 and 218.150

Schedule B

Quantity Surveying

Part III

Compulsory papers (105 credits):

153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
218.311	Construction Contract and Financial Administration	15	P Any 218.2xx paper or PPD
218.315	Construction Law	15	P Any 218.2xx paper or PPD
218.340	Construction Research Project	30	P at least 240 credits; C at least 2 x 218.3xx papers or PPD; R 218.422
218.374	Construction and Design Multi-Storey	15	P 218.271; R 217.374
218.414	Construction Planning and Scheduling	15	P Any 218.2xx paper or PPD

Specialisation papers (15 credits):

114.254	Managing Employment Relations	15	P Any 100-level paper
114.271	Occupational Safety and Health I	15	P Any 100-level paper
127.341	Property Management and Development	15	P 127.241 or 127.243 or 127.244
152.386	Risk Management I	15	P Any 200-level paper
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
218.280	Construction Operations and Control	15	P 218.172 or 218.150

Construction Management

Part III

Compulsory papers (105 credits):

114.271	Occupational Safety and Health I	15	P Any 100-level paper
153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
218.315	Construction Law	15	P Any 218.2xx paper or PPD
218.340	Construction Research Project	30	P at least 240 credits; C at least 2 x 218.3xx papers or PPD; R 218.422
218.374	Construction and Design Multi-Storey	15	P 218.271; R 217.374
218.414	Construction Planning and Scheduling	15	P Any 218.2xx paper or PPD

Elective papers (15 credits):

114.254	Managing Employment Relations	15	P Any 100-level paper
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre-2009), or 110.100 (pre-1997); 115.101 or 161.110 (recommended); R 25.201
127.341	Property Management and Development	15	P 127.241 or 127.243 or 127.244
152.386	Risk Management I	15	P Any 200-level paper
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
287.341	Quality Systems Design	15	P 228.292; R 143.341
218.213	Measuring Systems I	15	P 218.172 and 218.150

The Degree of Bachelor of Creative Media Production BCMP

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of Creative Media Production requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Creative Media Production shall follow a flexible course of study, which shall consist of papers totalling 360 credits, comprising:
 - a minimum of 285 credits as specified in the Schedule to the Qualification; and
 - up to 75 credits from any other papers offered by the University; and including
 - a maximum of 150 credits at 100 level;
 - at least 90 credits at 200-level;
 - at least 105 credits at 300-level.

Specialisations

- The Bachelor of Creative Media Production is awarded without specialisation.
- Candidates may include a minor from any other undergraduate degree within the University for which recognised minors are specified, in accordance with the requirements for the minor as specified in the regulations of the qualification from which the minor has been drawn.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an alternative qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Core Papers

154.101	Introduction to Media Studies	15	
154.120	Transmedia Narrative and Storytelling	15	
152.230	Entrepreneurship	15	Any 100-level paper
289.201	Cross-Media Production	30	P 154.101, 289.109 and (two of 289.101, 289.102, 289.103, 289.104) and (two of 289.105, 289.106, 289.107, 289.108)
289.202	Media Innovation and Creativity	15	
289.203	Production Development	30	P 289.201
152.333	New Venture Project	15	Any 200-level paper
289.301	Portfolio and Dissemination	15	
289.302	Major Project Innovation Lab	15	P 289.202
289.303	Major Project Pre-production	15	P 289.203; C 289.302
289.304	Major Project Production	15	P 289.302, 289.303
289.305	Major Project Postproduction	30	P 289.302, 289.303; C 289.304

30 credits from:

289.101	Introduction to Web and Mobile Media	15
289.102	Visualisation for Media Production	15
289.103	Introduction to Computer Animation	15
289.104	Introduction to Visual Effects and Motion Graphics	15

30 credits from:

289.105	Introduction to Digital Video Production	15
289.106	Introduction to Game Technologies and Mechanics	15
289.107	Introduction to Audio Production and Sound Design	15
289.108	Introduction to Animatronics and Modelling	15

Elective Papers

Up to 75 credits from any other papers offered by the University.

The Degree of Bachelor of Design with Honours BDes(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Design (Honours) requires that the candidate will:
 - meet the University admission requirements as specified; and
 - be selected into the Qualification based partially on the assessment of a portfolio of work submitted by the applicant.

- An applicant who holds the degree of Bachelor of Design shall not be admitted to the Bachelor of Design with Honours.

Qualification Requirements

- Candidates for the Degree of Bachelor of Design (Honours) shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - Part I, Part II, Part III, and Part IV as specified in Schedules A and B, unless their course of study in a Massey design degree commenced in 2013 or prior, in which case transitional provisions specified in regulations 15–20 will apply;
 - elective papers from Schedule C or other papers from Massey University;

And including

 - not more than 180 credits at 100 level;
 - at least 90 credits at 200-level;

- (e) at least 90 credits at 300-level;
 (f) at least 120 credits at 400-level or above;
 (g) completion of at least one major.
4. Notwithstanding Regulation 3 holders of a Massey University Diploma in Fashion Design and Technology may, on surrender of the diploma, be permitted to transfer up to 120 credits at 100-level, and include up to 195 credits at 100-level in a Bachelor of Design with Honours, fashion design major.
5. Notwithstanding Regulation 3 holders of a Massey University Diploma in Photography may, on surrender of the diploma, be permitted to transfer up to 120 credits at 100-level and up to 120 credits at 200-level to the Bachelor of Design with Honours, Photography major.

Specialisations

6. Candidates may complete a major by passing Parts I, II, III, and IV specified for a major selected from: Fashion Design, Fashion Design and Business, Industrial Design, Photography, Spatial Design, Textile Design and Visual Communication Design. The requirements for each major are set out in Schedule B to the Qualification or as specified by regulations 15–20.
7. Candidates may include a minor from any undergraduate degree within the University for which recognised minors are specified, in accordance with the following requirements:
- (a) the overall balance of credits as specified in regulation 3 are maintained;
 (b) the minor must be in a different subject area from the major(s).
 (c) where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
 (d) no paper may be credited to both a major and a minor.

Student Progression

8. Admission to Part II will normally occur when the candidate has passed all the requirements for Part I from Schedule A and Schedule B relevant to the major to be taken.
9. For progression to Part IV of Bachelor of Design with Honours, candidates must have maintained at least a B grade average in the Part III credits that are relevant to the proposed Honours study.
10. The Academic Board may grant exemptions to the requirements in Regulations 8 and 9 based on the subjects studied and prior performance of the student.
11. The Degree of Bachelor of Design with Honours may be awarded with First Class Honours or with Second Class Honours Division I or Second Class Honours Division II or with Third Class Honours. The class of Honours awarded shall be determined by the examiners on the performance of the candidate in Part IV of the programme.

Completion Requirements

12. The Bachelor of Design with Honours normally must be completed within the following timeframes:
- (a) five consecutive academic years for full-time students;
 (b) eight consecutive academic years for part-time students.
13. Candidates may be graduated when they meet the Qualification requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Bachelor of Design or an alternative creative arts qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

14. The Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

15. All candidates who are commencing Part II in 2014 must satisfy the requirements of these regulations, as specified in Schedules A and B to the Degree, from the start of Part II; Part I must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
16. All candidates who are commencing Part III in 2014 must satisfy the requirements of these regulations, as specified in Schedule D to the Degree for Parts I, II, and III.

17. All candidates who are commencing Part IV in 2014 must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
18. All candidates who are commencing Part IV in 2015 must satisfy the requirements of these regulations, as specified in Schedules A and B to the Degree, from the start of Part IV; prior parts must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
19. All candidates completing a major in Integrated Design or Transport Design must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.

These transition regulations including Schedule D expire at the end of 2017.

Schedules for the Qualification

Schedule A – Core Papers

Part I: 237.130, 237.131 plus four of the following: 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157.

Part II: 237.230 plus 237.231 or 197.288.

Part III: 237.330 plus 237.331 or 197.388.

Part IV: 197.465 or 213.465 or 237.465.

197.288	Creative Industries	15	P 75 credits at 100 level
197.388	Creative Enterprise	15	P 75 credits at 200 level; R 198.481, 212.425, 221.382, 222.382, 223.425, 224.382
197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
198.157	Studio I (Object)	15	P Portfolio; R 197.132
212.157	Studio I (Dress)	15	P Portfolio; R 197.135
213.157	Studio I (Art Lab)	15	P Portfolio; R 197.132
213.158	Studio I (Art Place)	15	P Portfolio; R 197.131
213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or PHOS
221.157	Studio I (Lens)	15	P Portfolio; R 221.101
222.157	Studio I (Screen)	15	P Portfolio; R 197.131
222.158	Studio I (Type)	15	P Portfolio; R 197.131, 222.100
223.157	Studio I (Material)	15	P Portfolio; R 197.133
224.157	Studio I (Space)	15	P Portfolio; R 197.131
237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102
237.230	Creative Cultures and Contexts I	15	P 75 credits at 100 level; R 198.281, 212.202, 213.252, 221.281, 222.281, 223.202, 224.281
237.231	Creative Cultures and Contexts II	15	P 75 credits at 100 level
237.330	Creative Cultures and Ideas	15	P 237.230 or 237.231
237.331	Creative Cultures and Display	15	P 75 credits at 200 level
237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or PHOS

Schedule B – Major Papers

Fashion Design

Part I: 212.157.

Part II: 212.257, 212.258.

Part III: 212.357, 212.358.

Part IV: 212.453, 212.454.

Fashion Design and Business

Part I: 212.157.

Part II: 212.257, 212.258.

Part III: 212.357, 212.358.

Part IV: 212.453, 212.454.

Plus 90 credits above 100-level including at least 45 credits at 300-level from one major in the Bachelor of Business Studies.

Note:

Where a Business major requires a 100-level prerequisite, the credits for the prerequisite do not count towards the business major, but do count towards the Bachelor of Design with Honours requirements provided the overall credit requirements in regulation 3 are maintained and no more than 105 credits from the BBS Schedule are included in the degree.

Industrial Design

- Part I: 198.157.
- Part II: 198.257, 198.258.
- Part III: 198.357, 198.358.
- Part IV: 198.453, 198.454.

Photography

- Part I: 221.157.
- Part II: 221.257, 221.258.
- Part III: 221.357, 221.358.
- Part IV: 221.453, 221.454.

Spatial Design

- Part I: 224.157.
- Part II: 224.257, 224.258.
- Part III: 224.357, 224.358.
- Part IV: 224.453, 224.454.

Textile Design

- Part I: 223.157.
- Part II: 223.257, 223.258.
- Part III: 223.357, 223.358.
- Part IV: 223.453, 223.454.

Visual Communication Design

- Part I: 222.157 or 222.158
- Part II: 222.257, 222.258.
- Part III: 222.357, 222.358.
- Part IV: 222.453, 222.454.

198.257	Design Studio IIA (Industrial)	30	P (237.130 or 237.131) plus 198.157 and two of 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 198.251
198.258	Design Studio IIB (Industrial)	30	P 198.257; R 198.252, 198.272
198.357	Design Studio IIIA (Industrial)	30	P 198.258; R 198.354
198.358	Design Studio IIIB (Industrial)	30	P 198.357; R 198.355
198.453	Industrial Design Research and Development	30	P B- average over 198.358 and 237.330; or B- average over 198.355 and 198.380 or PGDipDes admission
198.454	Industrial Design Research Project	45	P 198.453
212.257	Design Studio IIA (Fashion)	30	P (237.130 or 237.131) plus 212.157 and two of 198.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 212.201
212.258	Design Studio IIB (Fashion)	30	P 212.257; R 212.201, 212.204, 212.220, 212.303, 212.305
212.357	Design Studio IIIA (Fashion)	30	P 212.258; R 212.317
212.358	Design Studio IIIB (Fashion)	30	P 212.357; R 212.310
212.453	Fashion Design Research and Development	30	P B- average over 212.358 and 237.330; or B- average over 212.381 and 212.310 or PGDipDes admission
212.454	Fashion Design Research Project	45	P 212.453
221.257	Design Studio IIA (Photography)	30	P (237.130 or 237.131) plus 221.157 and two of 198.157, 212.157, 213.157, 213.158, 222.157, 222.158, 223.157, 224.157; R 221.271
221.258	Design Studio IIB (Photography)	30	P 221.257; R 221.270, 221.272
221.357	Design Studio IIIA (Photography)	30	P 221.258; R 221.370
221.358	Design Studio IIIB (Photography)	30	P 221.357

221.453	Photography Research and Development	30	P B- average over 221.358 and 237.330; or B- average over 221.370 and 221.381; or PGDipDes admission
221.454	Photography Research Project	45	P 221.453
222.257	Design Studio IIA (Visual Communication)	30	P (237.130 or 237.131) plus (222.157 or 222.158) and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 222.202, 222.203, 222.210, 222.220, 222.230, 222.231, 222.270
222.258	Design Studio IIB (Visual Communication)	30	P 222.257; R 222.202, 222.203, 222.210, 222.220, 222.230, 222.231, 222.270
222.357	Design Studio IIIA (Visual Communication)	30	P 222.258; R 222.301, 222.303, 222.310, 222.320, 222.330, 222.340, 222.370, 222.355
222.358	Design Studio IIIB (Visual Communication)	30	P 222.357; R 222.302, 222.303, 222.311, 222.321, 222.331, 222.341, 222.356, 222.371
222.453	Visual Communication Design Research and Development	30	P B- average over 222.358 and 237.330; or B- average over 222.381 and one of (222.302, 222.311, 222.321, 222.331, 222.341, 222.356, 222.371) or PGDipDes admission
222.454	Visual Communication Design Research Project	45	P 222.453
223.257	Design Studio IIA (Textiles)	30	P (237.130 or 237.131) plus 223.157 and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 224.157; R 223.203, 223.205, 223.220
223.258	Design Studio IIB (Textiles)	30	P 223.257; R 223.204, 223.205, 223.227
223.357	Design Studio IIIA (Textiles)	30	P 223.258; R 223.320, 223.403
223.358	Design Studio IIIB (Textiles)	30	P 223.357; R 223.303
223.453	Textile Design Research and Development	30	P B- average over 223.358 and 237.330; or B- average over 223.302 and 223.303 or PGDipDes admission
223.454	Textile Design Research Project	45	P 223.453 or (223.450 and 223.451)
224.257	Design Studio IIA (Spatial)	30	P (237.130 or 237.131) plus 224.157 and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157; R 224.251, 224.261, 224.271
224.258	Design Studio IIB (Spatial)	30	P 224.257; R 224.252, 224.272, 224.291
224.357	Design Studio IIIA (Spatial)	30	P 224.258; R 224.351, 224.361
224.358	Design Studio IIIB (Spatial)	30	P 224.357; R 224.352, 224.371
224.453	Spatial Design Research and Development	30	P B- average over 224.358 and 237.330; or B- average over 224.352 and 224.381 or PGDipDes admission
224.454	Spatial Design Research Project	45	P 224.453

Schedule C – Elective Papers

197.119	Coding for Creative Practice	15	
197.152	Video and Sound	15	
197.191	Art and Design: Special Topic I	15	P Permission Paper Coordinator
197.211	Rapid Ideation	15	P 75 credits at 100 level
197.238	Interaction and Interface I	15	P 75 credits at 100 level including 198.157 or 212.157 or 213.157 or 213.158 or 221.157 or 222.157 or 222.158 or 223.157 or 224.157; R 198.291
197.270	Creative Ecologies I	15	P 75 credits at 100 level including 198.157 or 212.157 or 213.157 or 213.158 or 221.157 or 222.157 or 222.158 or 223.157 or 224.157
197.285	Projections: Trends and Forecasting	15	P 75 credits at 100 level; R 212.228
197.288	Creative Industries	15	P 75 credits at 100 level
197.291	Art and Design: Special Topic II	15	P Permission Paper Coordinator
197.338	Interaction and Interface II	15	P 197.238 plus (198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258); R 197.377

197.370	Creative Ecologies II	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258	213.150	Painting	15	R 213.203
197.379	Experience Design	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258	213.151	Contemporary Sculpture	15	R 213.204
197.383	Internship	15	P 198.258 or 212.258 or 221.258 or 222.258 or 223.258 or 224.258; R 212.326, 223.326	213.154	Drawing as Expanded Practice	15	
197.385	Projections: Future Casting	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258	213.155	Drawing The Body I	15	R 197.101
197.388	Creative Enterprise	15	P 75 credits at 200 level; R198.481, 212.425, 221.382, 222.382, 223.425, 224.382	213.211	Fine Arts Special Topic II	15	P Permission Paper Coordinator
197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358	213.254	Contemporary Drawing	15	P 75 credits at 100 level from College of Creative Arts
197.470	Creative Ecologies III	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358	213.255	Drawing The Body II	15	P 213.155 or 197.101; R 197.200
197.471	Social Interventions Through Design	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358	213.256	Contemporary Art Projects A	15	P 75 credits at 100 level from College of Creative Arts
197.490	Design Special Topic A	15	P Permission Paper Coordinator	213.257	Contemporary Art Projects B	15	P 75 credits at 100 level from College of Creative Arts
197.495	Design Independent Study	15	P Permission Head of School	213.258	Contemporary Art Projects C	15	P 75 credits at 100 level from College of Creative Arts
197.499	Design Special Topic	30	P Permission Paper Coordinator I	213.259	Contemporary Art Projects D	15	P 75 credits at 100 level from College of Creative Arts
198.120	Digital Fabrication	15		213.260	Fine Arts Special Topic IIB	30	
198.213	Furniture Design	15	P 75 credits at 100 level including 198.157 or 212.157 or 213.157 or 213.158 or 221.157 or 222.157 or 222.158 or 223.157 or 224.157 or 197.132	213.261	Contemporary Art Projects F	15	P 75 credits at 100 level from College of Creative Arts
198.221	Modelling and Prototyping	15	P 75 credits at 100 level; R 198.271	213.262	Contemporary Art Projects G	15	P 75 credits at 100 level from College of Creative Arts
198.308	Industrial Design Special Topic A	15	P Permission Paper Coordinator	213.263	Contemporary Art Projects H	15	P 75 credits at 100 level from College of Creative Arts
198.309	Industrial Design Special Topic B	15	P Permission Paper Coordinator	213.264	Contemporary Art Projects I	15	P 75 credits at 100 level from College of Creative Arts
198.315	Product Development	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258; R 198.214	213.265	Contemporary Art Projects J	15	P 75 credits at 100 level from College of Creative Arts
198.316	Transportation Design	15	P 198.258 or 222.258 or 224.258	213.311	Final Arts Special Topic III	15	P Permission Paper Coordinator
198.320	Open Design and Digital Fabrication	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258	213.356	Contemporary Art Projects E	15	P 75 credits at 200 level from College of Creative Arts
198.362	Industrial Design Visualisation	15	P 198.258 or 198.261 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258	213.358	Fine Arts Internship	15	P 60 credits at 200 level from College of Creative Arts; R 213.412
198.402	Design, Craft and Technology	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358	213.359	Contemporary Art Projects K	15	P 75 credits at 200 level from College of Creative Arts
198.433	Designing Science Fiction	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358	213.360	Fine Arts Special Topic IIIB	30	
198.490	Industrial Design Special Topic C	15	P Permission Paper Coordinator	213.411	Fine Arts Special Topic IV	15	P Permission Paper Coordinator
198.495	Industrial Design Independent Study	15	P Permission Head of School	213.464	Art in Context	15	P 75 credits at 300 level
212.100	Fashion Pattern Making	15	R 212.203	213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or PHOS
212.101	Fashion Construction	15	R 212.205	221.100	Photography as an Agent of Change	15	
212.200	Garment Pattern Drafting and Grading	15	P 212.100 and 60 credits at 100-level from College of Creative Arts, R 212.204, 212.220	221.220	Photography and the Studio	15	P 75 credits at 100 level
212.228	Fashion Special Topic A	15	P Permission Paper Coordinator	221.221	The Digital Darkroom I	15	P 75 credits at 100 level, R 221.272
212.304	Drape for Design	15	P 212.100	221.222	Photography and the Darkroom	15	P 75 credits at 100 level; R 221.271
212.321	Digital Applications for Fashion Production	15	P 212.200 and one of 198.258, 212.258, 213.242, 221.258, 222.258, 223.258, 224.258; R 212.420	221.291	Photography Special Topic A	15	P Permission Paper Coordinator
212.328	Fashion Special Topic B	15	P Permission Paper Coordinator	221.320	Photography and the Body	15	P 221.100 or 221.157 and (198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258)
212.403	Apparel Pattern Research	15	P (212.200 and 212.358) or (212.303 and 212.305)	221.321	The Digital Darkroom II	15	P 221.221 or 221.257 or 221.258
212.405	Specialised Apparel Construction	15	212.101 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358) or (212.303 and 212.305)	221.391	Photography Special Topic B	15	P Permission Paper Coordinator
212.464	Fashion Culture and Politics	15	P 237.330 or 237.331 or Permission Paper Coordinator; R 212.402	221.456	Photography and the Archive	15	P 221.358 or [(221.100 or 221.157) and (198.358 or 212.358 or 213.342 or 222.358 or 223.358 or 224.358)]
212.495	Fashion Design Independent Study	15	P Permission Head of School	221.457	Photography and Visuality	15	P 237.330 or 237.331 or 221.381 or Permission Paper Coordinator
				221.495	Photography Independent Study	15	P Permission Head of School
				222.103	Social Media Culture	15	
				222.104	Printmaking	15	R 222.209
				222.207	Bookmaking	15	P 75 credits at 100 level
				222.208	Letterpress	15	P 75 credits at 100 level
				222.212	Media and Message	15	P 75 credits at 100 level
				222.215	Brand Communication	15	P 75 credits at 100 level from College of Creative Arts or 75 credits at 100-level including 115.104
				222.225	Story and Narration	15	P 75 credits at 100-level from College of Creative Arts
				222.232	Character Design	15	P 75 credits at 100-level from College of Creative Arts
				222.235	Audio Design	15	P 75 credits at 100 level
				222.236	Music Video (Video Production)	15	P 75 credits at 100 level

222.239	Mobile Media	15	P 75 credits at 100 level
222.246	Icons, Pictograms and Symbols	15	P 75 credits at 100-level from College of Creative Arts
222.248	Information Design	15	P 75 credits at 100-level from College of Creative Arts
222.300	Typeface Design	15	P 222.258; R 222.404
222.312	Art Direction	15	P 222.258; R 222.411
222.313	Copywriting	15	P 75 credits at 200-level
222.314	Strategies for Communication	15	P 75 credits at 200-level
222.315	Brand Experience	15	P 222.215
222.316	Identity Systems	15	P 222.258
222.326	Sequential Art	15	P198.258 or 212.258 or 213.242 or 221.258 or 222.220 or 222.230 or 222.258 or 223.258 or 224.258
222.333	Conceptual Design for Film and Media	15	P 222.258
222.337	Cinematic Effects	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258
222.338	Documentary Filmmaking	15	P 75 credits at 200 level
222.347	Editorial Design	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258
222.348	Information Visualisation	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258; R 222.408
222.349	Wayshowing	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258
222.390	Visual Communication Design Special Topic A	15	P Permission Paper Coordinator
222.391	Visual Communication Design Special Topic B	15	Permission Paper Coordinator
222.392	Visual Communication Design Special Topic C	15	Permission Paper Coordinator
222.395	Independent Visual Communication Design Study	15	P Permission Head of School
222.409	Contemporary Letterpress	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358 or 222.304
222.413	Rhetoric and Persuasion	15	P 75 credits at 300 level
222.416	Dynamic Identities	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.436	VFX (Motion Graphics and Digital Filmmaking)	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.437	Digital FX	15	P 222.358
222.449	Spatial Information	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.490	Visual Communication Design Special Topic D	15	P Permission Paper Coordinator
222.491	Visual Communication Design Special Topic E	15	P Permission Paper Coordinator
222.494	Graphic Design Special Topic	15	P Permission Paper Coordinator
222.495	Illustration Special Topic	15	P Permission Paper Coordinator
222.496	Visual Communication Design Special Topic F	15	P Permission Paper Coordinator
222.497	Visual Communication Design Special Topic G	15	P Permission Paper Coordinator
222.499	Independent Visual Communication Design Study	15	P Permission Head of School
223.207	Materials Analysis	15	P 75 credits at 100 level; R 223.206, 212.206
223.211	Fashion Textiles	15	P 75 credits at 100 level including 198.157 or 212.157 or 213.157 or 213.158 or 221.157 or 222.157 or 222.158 or 223.157 or 224.157
223.301	Contemporary Wallcoverings	15	P 223.157 plus (198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.201 or 223.258 or 224.258)

223.312	Textile Interactions	15	P (223.157 plus one of 198.258, 212.258, 213.242, 221.258, 222.258, 223.258, 224.258) or 223.203; R 223.313
223.328	Textile Design Special Topic B	15	P Permission Paper Coordinator
223.407	Materials Research and Experimentation	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
223.490	Textile Design Special Topic C	15	P Permission Paper Coordinator
223.491	Textile Design Special Topic D	15	P Permission Paper Coordinator
223.495	Textile Design Independent Study	15	P Permission Head of School
224.204	Performance Practices	15	P 75 credits at 100 level; R 226.2xx papers
224.205	Display Practices	15	P 75 credits at 100 level; R 197.205
224.302	Spatial Design Special Topic A	15	P Permission Paper Coordinator
224.303	Spatial Design Special Topic B	15	P Permission Paper Coordinator
224.306	Game Space	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258
224.307	Furnishings	15	P 198.258 or 212.258 or 213.242 or 221.258 or 222.258 or 223.258 or 224.258
224.490	Spatial Design Special Topic C	15	Permission Paper Coordinator
224.495	Spatial Design Independent Study	15	P Permission Head of School
237.117	Maori Art and Design Studio I – Toi Atea	15	R 197.117
237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102
237.211	Maori Visual and Material Culture – Toi Atea	15	P 197.109 or 237.102; R 197.110
237.217	Maori Art and Design Studio IIA – Toi Atea	15	P 197.117 or 237.117; R 197.217
237.218	Maori Art and Design Studio IIB – Toi Atea	15	P 197.117 or 237.117; R 197.218
237.230	Creative Cultures and Contexts I	15	P 75 credits at 100 level; R 198.281, 212.202, 213.252, 221.281, 222.281, 223.202, 224.281
237.231	Creative Cultures and Contexts II	15	P 75 credits at 100 level
237.317	Maori Art and Design Studio IIIA – Toi Atea	15	P 197.217 or 197.218 or 237.217 or 237.218; R 197.317
237.318	Maori Art and Design Studio IIIB – Toi Atea	15	P 197.217 or 197.218 or 237.217 or 237.218; R 197.318
237.330	Creative Cultures and Ideas	15	P 237.230 or 237.231
237.331	Creative Cultures and Display	15	P 75 credits at 200 level
237.401	The Material Turn	15	P 15 credits in any 300-level paper
237.402	The Visual Field	15	P 15 credits in any 300-level paper
237.403	Studies in Material Culture B	15	P 237.401
237.404	Studies in Visual Culture B	15	P 237.402
237.417	Maori Art and Design Studio IV – Toi Atea	30	P (197.317 and 197.318) or (237.317 and 237.318); R 197.417
237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or PHOS

Schedule D – Major Papers under Transition Regulations

Fashion Design

- Part I: 197.131, 197.132, 237.101, 237.102, 197.135.
- Part II: 212.201, 212.202, 212.203, 212.204, 212.205, 212.206, 212.220.
- Part III: 212.303, 212.305, 212.306, 212.310, 212.381, 212.317
- Part IV: 212.425, 212.453, 212.454.

Industrial Design

- Part I: 197.131, 197.132, 237.101, 237.102.
- Part II: 198.251, 198.252, 198.261, 197.271, 198.272, 198.281, 198.291.
- Part III: 198.354, 198.355, 198.361, 198.362, 198.363, 198.371, 198.380
- Part IV: 198.453, 198.454, 198.481.

Integrated Design (no new enrolments from 2011)

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 198.214, 198.251, 222.202, 222.203, 222.215, 222.230, and 198.281 or 222.281.

Part III: 197.371, 197.374, 197.375, 197.376, 197.380, 197.381.

Part IV: 197.453, 197.454, 197.456, 197.481.

Photographic Design

Part I: 197.131, 197.132, 237.101, 237.102, 221.101.

Part II: 213.252, 221.270, 221.271, 221.272, 221.281.

Part III: 221.370, 221.373, 221.374, 221.381, 221.382.

Part IV: 221.453, 221.454, 221.470.

Spatial Design

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 224.251, 224.252, 224.261, 224.271, 224.272, 224.281, 224.291.

Part III: 224.351, 224.352, 224.361, 224.371, 224.381, 224.382.

Part IV: 224.401, 224.453, 224.454.

Textile Design

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 223.201, 223.202, 223.203, 223.204, 223.205, 223.206, 223.220.

Part III: 223.301, 223.302, 223.303, 223.313, 223.320.

Part IV: 223.425, 223.450, 223.451, 223.454.

Transport Design (no new enrolments from 2011)

Part I: 197.131, 197.132, 237.101, 237.102, 222.102, 225.151.

Part II: 198.291, 225.251, 225.252, 225.261, 225.262, 225.263, 225.271, 225.281.

Part III: 225.351, 225.354, 225.356, 225.362, 225.373, 197.380.

Part IV: 225.453, 225.454, 225.481.

Visual Communication Design

Part I: 197.131, 197.132, 237.101, 237.102, 222.100, 222.102

Part II: 222.281 plus one of the following groups:

Advertising: 222.203, 222.210;

Digital Media: Two of 222.230, 222.231, 222.270;

Graphic Design: 222.202, 222.203;

Illustration: 222.220, 222.203.

Part III: 222.381, 222.382, and one of the following groups:

Advertising: 222.310, 222.311;

Digital Media: Either 222.330 and 222.331, or 222.340 and 222.341, or 222.355 and 222.356, or 222.370 and 222.371;

Graphic Design: 222.301, 222.302, 222.303;

Illustration: 222.320, 222.321.

Part IV: 222.453, 222.454.

The Degree of Bachelor of Design BDes

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Design requires that the candidate will:
 - meet the University admission requirements as specified; and
 - be selected into the Qualification based partially on the assessment of a portfolio of work submitted by the applicant.
- An applicant with an incomplete Massey University Bachelor of Design with Honours may, at the discretion of Academic Board, transfer into the Bachelor of Design.

Qualification Requirements

- Candidates for the Degree of Bachelor of Design shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - Part I, Part II, Part III, and Part IV as specified in Schedules A and B, unless their course of study in a Massey design degree commenced in 2013 or prior, in which case transitional provisions specified in regulations 13–18 will apply;
 - Elective papers from Schedule C or other papers from Massey University;And including
 - not more than 180 credits at 100 level;
 - at least 180 credits must be at 300-level or above, including at least 60 credits at 400-level or above;
 - completion of at least one major.
- Notwithstanding Regulation 3 holders of a Massey University Diploma in Fashion Design and Technology may, on surrender of the diploma, be permitted to transfer up to 120 credits at 100-level and include up to 195 credits at 100-level in a Bachelor of Design, fashion design major.

- Notwithstanding Regulation 3 holders of a Massey University Diploma in Photography may, on surrender of the diploma, be permitted to transfer up to 120 credits at 100-level and up to 120 credits at 200-level to the Bachelor of Design, Photography major.

Specialisations

- Candidates may complete a major by passing Parts I, II, III, and IV specified for a major selected from: Fashion Design, Fashion Design and Business, Industrial Design, Photography, Spatial Design, Textile Design and Visual Communication Design. The requirements for each major are set out in Schedule B to the Qualification or as specified by regulations 13–18.
- Candidates may include a minor from any undergraduate degree within the University for which recognised minors are specified, in accordance with the following requirements:
 - The overall balance of credits as specified in regulation 3 are maintained.
 - The minor must be in a different subject area from the major(s).
 - Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
 - No paper may be credited to both a major and a minor.

Student Progression

- Admission to Part II will normally occur when the candidate has passed all the requirements for Part I from Schedule A and Schedule B relevant to the major to be taken.
- The Academic Board may grant exemptions to the requirements in Regulation 8 based on the subjects studied and prior performance of the student.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates will apply; or
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an alternative creative arts qualification should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

12. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

13. All candidates who are commencing Part II in 2014 must satisfy the requirements of these regulations, as specified in Schedules A and B to the Degree, from the start of Part II; Part I must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
14. All candidates who are commencing Part III in 2014 must satisfy the requirements of these regulations, as specified in Schedule D to the Degree for Parts I, II, and III.
15. All candidates who are commencing Part IV in 2014 must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
16. All candidates who are commencing Part IV in 2015 must satisfy the requirements of these regulations, as specified in Schedules A and B to the Degree, from the start of Part IV; prior parts must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
17. All candidates completing a major in Integrated Design or Transport Design must satisfy the requirements of these regulations, as specified in Schedule D to the Degree.
18. These transition regulations including Schedule D expire at the end of 2017.

Schedules for the Qualification

Schedule A – Core Papers

Part I: 237.130, 237.131 plus four of the following: 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157.

Part II: 237.230 plus 237.231 or 197.288.

Part III: 237.330 plus 237.331 or 197.388.

Part IV: 197.465 or 213.465 or 237.465.

197.288	Creative Industries	15	P 75 credits at 100 level
197.388	Creative Enterprise	15	P 75 credits at 200 level; R 198.481, 212.425, 221.382, 222.382, 223.425, 224.382
197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
198.157	Studio I (Object)	15	P Portfolio; R 197.132
212.157	Studio I (Dress)	15	P Portfolio; R 197.135
213.157	Studio I (Art Lab)	15	P Portfolio; R 197.132
213.158	Studio I (Art Place)	15	P Portfolio; R 197.131
213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or PHOS
221.157	Studio I (Lens)	15	P Portfolio; R 221.101
222.157	Studio I (Screen)	15	P Portfolio; R 197.131
222.158	Studio I (Type)	15	P Portfolio; R 197.131, 222.100
223.157	Studio I (Material)	15	P Portfolio; R 197.133
224.157	Studio I (Space)	15	P Portfolio; R 197.131
237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102
237.230	Creative Cultures and Contexts I	15	P 75 credits at 100 level; R 198.281, 212.202, 213.252, 221.281, 222.281, 223.202, 224.281
237.231	Creative Cultures and Contexts II	15	P 75 credits at 100 level
237.330	Creative Cultures and Ideas	15	P 237.230 or 237.231
237.331	Creative Cultures and Display	15	P 75 credits at 200 level
237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or PHOS

Schedule B – Major Papers

Fashion Design

Part I: 212.157.

Part II: 212.257, 212.258.

Part III: 212.357, 212.358.

Part IV: 212.455.

Fashion Design and Business

Part I: 212.157.

Part II: 212.257, 212.258.

Part III: 212.357, 212.358.

Part IV: 212.455, 197.465, 213.465, or 237.465.

Plus 90 credits above 100-level including at least 45 credits at 300-level from one major in the Bachelor of Business Studies.

Note:

Where a Business major requires a 100-level pre-requisite, the credits for the pre-requisite do not count towards the business major, but do count towards the Bachelor of Design with Honours requirements provided the overall credit requirements in regulation 3 are maintained; and no more than 105 credits from the BBS Schedule are included in the degree.

Industrial Design

Part I: 198.157.

Part II: 198.257, 198.258.

Part III: 198.357, 198.358.

Part IV: 198.455.

Photography

Part I: 221.157.

Part II: 221.257, 221.258.

Part III: 221.357, 221.358.

Part IV: 221.455.

Spatial Design

Part I: 224.157.

Part II: 224.257, 224.258.

Part III: 224.357, 224.358.

Part IV: 224.455.

Textile Design

Part I: 223.157.

Part II: 223.257, 223.258.

Part III: 223.357, 223.358.

Part IV: 223.455.

Visual Communication Design

Part I: 222.157 or 222.158

Part II: 222.257, 222.258.

Part III: 222.357, 222.358.

Part IV: 222.455.

198.257	Design Studio IIA (Industrial)	30	P (237.130 or 237.131) plus 198.157 and two of 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 198.251
198.258	Design Studio IIB (Industrial)	30	P 198.257; R 198.252, 198.272
198.357	Design Studio IIIA (Industrial)	30	P 198.258; R 198.354
198.358	Design Studio IIIB (Industrial)	30	P 198.357; R 198.355
198.455	Industrial Design Studio Project	45	P 198.358 or 198.355
212.257	Design Studio IIA (Fashion)	30	P (237.130 or 237.131) plus 212.157 and two of 198.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 212.201
212.258	Design Studio IIB (Fashion)	30	P 212.257; R 212.201, 212.204, 212.220, 212.303, 212.305
212.357	Design Studio IIIA (Fashion)	30	P 212.258; R 212.317
212.358	Design Studio IIIB (Fashion)	30	P 212.357; R 212.310

212.455	Fashion Design Studio Project	45	P 212.358 or 212.310
221.257	Design Studio IIA (Photography)	30	P (237.130 or 237.131) plus 221.157 and two of 198.157, 212.157, 213.157, 213.158, 222.157, 222.158, 223.157, 224.157; R 221.271
221.258	Design Studio IIB (Photography)	30	P 221.257; R 221.270, 221.272
221.357	Design Studio IIIA (Photography)	30	P 221.258; R 221.370
221.358	Design Studio IIIB (Photography)	30	P 221.357
221.455	Photography Studio Project	45	P 221.358 or 221.370
222.257	Design Studio IIA (Visual Communication)	30	P (237.130 or 237.131) plus (222.157 or 222.158) and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157, 224.157; R 222.202, 222.203, 222.210, 222.220, 222.230, 222.231, 222.270
222.258	Design Studio IIB (Visual Communication)	30	P 222.257; R 222.202, 222.203, 222.210, 222.220, 222.230, 222.231, 222.270
222.357	Design Studio IIIA (Visual Communication)	30	P 222.258; R 222.301, 222.303, 222.310, 222.320, 222.330, 222.340, 222.370, 222.355
222.358	Design Studio IIIB (Visual Communication)	30	P 222.357; R 222.302, 222.303, 222.311, 222.321, 222.331, 222.341, 222.356, 222.371
222.455	Visual Communication Design Studio Project	45	P 222.358 or 222.456
223.257	Design Studio IIA (Textiles)	30	P (237.130 or 237.131) plus 223.157 and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 224.157; R 223.203, 223.205, 223.220
223.258	Design Studio IIB (Textiles)	30	P 223.257; R 223.204, 223.205, 223.227
223.357	Design Studio IIIA (Textiles)	30	P 223.258; R 223.320, 223.403
223.358	Design Studio IIIB (Textiles)	30	P 223.357; R 223.303
223.455	Textile Design Studio Project	45	P 223.358 or (223.301 and 223.302)
224.257	Design Studio IIA (Spatial)	30	P (237.130 or 237.131) plus 224.157 and two of 198.157, 212.157, 213.157, 213.158, 221.157, 222.157, 222.158, 223.157; R 224.251, 224.261, 224.271
224.258	Design Studio IIB (Spatial)	30	P 224.257; R 224.252, 224.272, 224.291
224.357	Design Studio IIIA (Spatial)	30	P 224.258; R 224.351, 224.361
224.358	Design Studio IIIB (Spatial)	30	P 224.357; R 224.352, 224.371
224.455	Spatial Design Studio Project	45	P 224.358 or 224.352

Schedule C – Elective Papers

As for BDes(Hons)

Schedule D – Major Papers under Transition Regulations

Fashion Design

Part I: 197.131, 197.132, 237.101, 237.102, 197.135.

Part II: 212.201, 212.202, 212.203, 212.204, 212.205, 212.206, 212.220.

Part III: 212.303, 212.305, 212.306, 212.310, 212.381, 212.317.

Part IV: 212.425, 212.455.

Fashion Design and Business

Part I: 197.131, 197.132, 237.101, 237.102, 212.157.

Part II: 212.201, 212.202, 212.203, 212.204, 212.205, 212.206, 212.220.

Part III: 212.303, 212.305, 212.306, 212.310, 212.381, 212.317.

Part IV: 212.425, 212.455.

Plus completion of 90 credits above 100-level including at least 45 credits at 300-level, from one major of the Bachelor of Business Studies.

A 15-credit prerequisite paper required to complete a major from the BBS may be substituted for a 15-credit Elective paper from schedule C, provided the overall balance of credits are met in accordance with Regulation 3.

Industrial Design

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 198.251, 198.252, 198.261, 197.271, 198.272, 198.281, 198.291.

Part III: 198.354, 198.355, 198.361, 198.362, 198.363, 198.371, 198.380.

Part IV: 198.401, 198.455, 198.481.

Integrated Design (no new enrolments from 2011)

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 198.214, 198.251, 222.202, 222.203, 222.215, 222.230, and 198.281 or 222.281.

Part III: 197.371, 197.374, 197.375, 197.376, 197.380, 197.381.

Part IV: 197.455, 197.456, 197.481.

Photographic Design

Part I: 197.131, 197.132, 237.101, 237.102, 221.101.

Part II: 213.252, 221.270, 221.271, 221.272, 221.281.

Part III: 221.370, 221.373, 221.374, 221.381, 221.382.

Part IV: 221.455, 221.470.

Spatial Design

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 224.251, 224.252, 224.261, 224.271, 224.272, 224.281, 224.291.

Part III: 224.351, 224.352, 224.361, 224.371, 224.381, 224.382.

Part IV: 224.401, 224.455.

Textile Design

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 223.201, 223.202, 223.203, 223.204, 223.205, 223.206, 223.220.

Part III: 223.301, 223.302, 223.303, 223.313, 223.320.

Part IV: 223.425, 223.455.

Transport Design (no new enrolments from 2011)

Part I: 197.131, 197.132, 237.101, 237.102, 222.102, 225.151.

Part II: 198.291, 225.251, 225.252, 225.261, 225.262, 225.263, 225.271, 225.281.

Part III: 225.351, 225.354, 225.356, 225.362, 225.373, 197.380.

Part IV: 225.453, 225.455, 225.481.

Visual Communication Design

Part I: 197.131, 197.132, 237.101, 237.102, 222.100, 222.102

Part II: 222.281 plus one of the following groups:

Advertising: 222.203, 222.210

Digital Media: Two of 222.230, 222.231, 222.270

Graphic Design: 222.202, 222.203

Illustration: 222.220, 222.203

Part III: 222.381, 222.382, and one of the following groups:

Advertising: 222.310, 222.311

Digital Media: Either 222.330 and 222.331, or 222.340 and 222.341, or 222.355 and 222.356, or 222.370 and 222.371

Graphic Design: 222.301, 222.302, 222.303

Illustration: 222.320, 222.321

Part IV: 222.455, 222.456

Schedule B: List of Papers

(Refer to Schedule B of the Bachelor of Design with Honours.)

The Degree of Bachelor of Education

BEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Candidates for the degree of Bachelor of Education shall:
 - hold a New Zealand Diploma or Higher Diploma of Teaching, or approved equivalent; or
 - have completed at least two full-time years of approved relevant experience in an educational context, or approved equivalent.

Qualification Requirements

- Candidates for the Bachelor of Education shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 150 credits at 100-level;
 - at least 75 credits at 300-level; and including:
 - the core papers listed in Schedule A for the Qualification;
 - the remaining papers from Schedules B and C for the qualification;
 - up to 75 credits from schedules for other qualifications offered by the University, with the approval of the College PVC or nominee.
- Candidates who hold previous qualifications in teaching and/or education may have them assessed for credit to the Bachelor of Education. Such candidates shall follow an approved course of study consisting of at least 120 credits, including the requirements of at least one major.

Specialisations

- The Bachelor of Education may be completed with or without specialisation.
- Candidates must complete the requirements of a major by passing at least 90 credits in one majoring subject, including:
 - at least 15 credits at 100-level;
 - at least 30 credits at 200-level;
 - at least 45 credits at 300-level.
- The requirements for each major are set out in Schedule B of the Qualification.
- Candidates may complete a double major by meeting all of the requirements of both majors.
- Candidates may include a minor in the Bachelor of Education by passing at least 60 credits for one of majors listed in Schedule B, including:
 - no more than 15 credits at 100-level;
 - at least 15 credits at 300-level.
- No paper may be credited to both a major and a minor.
- Minors may be included from any undergraduate degree within the University for which recognised minors are specified. Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.

Transition Provisions

- All candidates commencing study towards the Bachelor of Education from 2013 must satisfy the requirements of these regulations, as specified in Schedules A and B to the Degree.

- Candidates who commenced study towards the Bachelor of Education prior to 2013 may:
 - complete the qualification under the 2012 Bachelor of Education regulations; or
 - complete the qualification under the current Bachelor of Education regulations, but must satisfy all requirements specified in these regulations, as specified in Schedules A and B to the Degree.
- These transition provisions will remain in place until 2015.
- In all cases candidates must complete the degree within the timeframes for completion as specified in the Completion Requirements.

Schedule A

Core papers for the Bachelor of Education

254.101	An Introduction to Social and Cultural Studies in Education	15	R 181.101, 187.101
275.102	Human Development	15	R 208.102, 209.102, 270.102
254.231	Curriculum Theory, Policy and Practice	15	P Any 100-level Education paper; R 187.231
256.201	Educational Psychology	15	P Any 100-level paper; R 186.201, 186.230
254.304	Educational Theory	15	P Any 200-level Education paper; R 187.304
263.301	Learning and Motivation	15	P Any 200-level Education paper; R 186.301
263.331	Assessment of Learning	15	P Any 200-level Education paper; R 186.331
267.390	Educational Research Methods	15	P Any 200-level paper; R 187.390

Schedule B

Specific papers for the majors

Early Years Education

90 credits from:

265.120	Principles of the Early Years Curriculum	15	R 186.120
265.230	Integrated Curriculum: Language and Science	15	R 270.289
265.289	Learning and Development and the Early Years Curriculum	15	R 186.289
265.293	Studies in Infants and Toddlers	15	R 186.293
265.322	Perspectives in Early Years Education	15	R 186.322
265.330	Integrated Early Childhood Curriculum: Numeracy and Literacy	15	R 185.473, 265.473
265.340	Advanced Curriculum: Arts in the Early Years	15	R 206.304, 270.304
265.344	Issues in Early Childhood Education	15	P Any 200-level Education paper; R 186.344
265.374	Leadership in Early Childhood	15	P Any 200-level Education paper; R 187.374

Special and Inclusive Education

90 credits from:

264.101	How People Learn	15	
249.284	Introduction to Special Education and Inclusive Education	15	P Any 100-level Education paper; R 186.284
249.285	Factors that Influence the Learning of Students with Special Needs	15	P Any 100-level Education paper; R 186.285, 278.264
249.382	Teaching Techniques in Special Education	15	P Any 200-level Education paper; R 186.382
249.334	Creating Inclusive Classrooms	15	P Any 200-level Education paper; R 186.334

249.384	Consultation and Collaboration in Inclusive Education	15	P Any 200-level Education paper; R 186.384
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Teaching English to Speakers of Other Languages (TESOL)

75 credits from:

172.232	Language and Society in New Zealand	15	P Any 100-level paper
172.233	Language Learning Processes	15	P Any 100-level paper
172.239	Language and Culture	15	R 172.132
257.370	Teaching Learners of English as Another Language	15	P 207.375 or 257.375
257.375	Learning English as Another Language	15	P Any 200-level Education or Language Studies paper

And 15 credits from:

254.337	Teaching of Pacific Island Students in New Zealand Contexts	15	P Any 200-level paper
254.377	Teaching and Learning Languages up to Year 10	15	P Any 100-level Languages paper or equivalent; R 207.377
219.304	Cross-Cultural Communication	15	P Any 200-level paper

Schedule C

Elective papers for the Bachelor of Education

172.232	Language and Society in New Zealand	15	P Any 100-level paper
172.233	Language Learning Processes	15	P Any 100-level paper
172.239	Language and Culture	15	R 172.132
249.284	Introduction to Special Education and Inclusive Education	15	P Any 100-level Education paper; R 186.284
249.285	Factors that Influence the Learning of Students with Special Needs	15	P Any 100-level Education paper; R 186.285, 278.264
249.287	Early Intervention	15	P Any 100-level Education paper; R 186.287
249.382	Teaching Techniques in Special Education	15	P Any 200-level Education paper; R 186.382
249.384	Consultation and Collaboration in Inclusive Education	15	P Any 200-level paper from Education; R 186.384
249.334	Creating Inclusive Classrooms	15	P Any 200-level Education paper; R 186.334
253.250	Counselling Principles and Practice	15	P Any 100-level Education, Social Sciences, or Business Studies paper; R 209.250
253.255	Cultural Issues in Counselling	15	P Any 100-level Education, Social Sciences, or Business Studies paper; R 209.255
253.353	Guidance Principles and Practice	15	P any 200-level Education, Social Sciences, or Business Studies paper; R 209.353
253.355	Professional Issues in Counselling	15	P One of 209.250, 209.255, 253.250 or 253.255; R 209.355
254.102	Introduction to Professional and Ethical Practice in Different Learning Contexts	15	
254.103	Learning in the Digital Age	15	R 186.103

254.162	Introduction to Literacy and Numeracy	15	
254.203	Sociology of Education	15	P Any 200-level Education paper; R 187.203
254.330	Philosophy for Children	15	P Any 200-level Education paper; R 187.330
254.336	Education in the Digital Age		P Any 200-level Education paper; R 186.336
254.337	Teaching of Pacific Island Students in New Zealand Contexts	15	P Any 200-level paper
257.370	Teaching Learners of English as Another Language	15	P 207.375 or 257.375
257.375	Learning English as Another Language	15	P Any 200-level Education or Language Studies paper
254.377	Teaching and Learning Languages up to Year 10	15	P Any 100-level Languages paper or equivalent; R 207.377
258.301	Language, Literacy and Cognitive Development	15	P Any 200-level Education paper
258.337	Teaching Students with Reading Difficulties	15	P Any 200-level Education paper; R 186.337
262.339	The Education of the Gifted and Talented	15	P Any 200-level Education paper; R 186.339
264.101	How People Learn	15	
265.105	Foundations of Language and Literacy	15	R 206.105
265.120	Principles of the Early Years Curriculum	15	R 186.120
265.289	Learning and Development and the Early Years Curriculum	15	R 186.289
265.293	Studies in Infants and Toddlers	15	R 186.293
265.322	Perspectives in Early Years Education	15	R 186.322
265.344	Issues in Early Years Education	15	P Any 200-level Education paper; R 186.344
269.232	Multicultural Education	15	P Any 100-level Education paper; R 182.232
269.274	The Treaty of Waitangi: Implications for Education	15	P Any 100 level Education paper; R 182.274
269.332	Maori Issues in Education	15	P Any 200 level Education paper; R 182.332
269.372	Understanding Migrant Cultures in Aotearoa/New Zealand	15	P Any 200 level Education paper; R 182.372
275.202	Development through Relationships	15	P 209.102 or 275.102; R 209.202
275.203	Child Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102
275.204	Adult Development	15	P 209.102 or 275.102
275.208	Adolescent Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102; R 208.308, 208.208; 209.208, 209.308, 275.308
275.304	Gender Development	15	P Any 200-level paper
275.307	Infants in Families	15	R 209.307
276.325	Developing Children's Numeracy	15	P Any 200-level Education paper; R 211.325
276.396	Mathematics in the Middle Years	15	R 211.396

The Degree of Bachelor of Education (Adult Education) BEd(AdultEd)

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Qualification Requirements

Admission

- Candidates for admission to the degree of Bachelor of Education (Adult Education) shall:
 - hold appropriate qualifications and/or experience in the occupation or discipline area in which they teach adult learners; and

- (b) be currently engaged in adult or tertiary education or training, or have access to adult learners and adult learning organisations in order to fulfil the practical requirements of the programme.

Course of Study

- The course of study of every candidate shall consist of one compulsory zero credit teaching experience paper (273.200) and 360 credits of study with:
 - no more than 150 credits at the 100-level;
 - at least 75 credits at the 300-level;
 - at least 270 credits from Schedule One for the degree of BEd(AdultEd), including at least 90 credits at the 200-level and at least 60 credits at the 300-level; and
 - up to 90 credits from papers listed in Schedule Two or from papers selected from approved subjects listed under the Regulations for other bachelor degrees or the Graduate Diploma in Adult Learning and Teaching.
- Every course of study shall include the following core paper: 273.183.
- The papers of study are listed in the Schedules following these Regulations.

Waivers, Exemptions and Recognition of Prior Learning

- The Academic Board may grant exemption from any prerequisite or corequisite prescribed by these Regulations where a candidate has previously attained a standard equivalent to that of the pre-requisite or co-requisite, and may permit the candidate to enrol in a 200-level or 300-level paper as the case may be.
 - The Academic Board may in such exceptional cases as it thinks fit approve a personal course of study which does not conform to the foregoing Regulations.
 - Candidates who have been awarded the Certificate in Adult Education may cross-credit up to 45 100-level credits to the BEd(AdultEd) course. A candidate who wishes to credit more than 45 credits will be required to surrender the Certificate before the credits will be granted.
 - Candidates who have been awarded the Diploma in Adult Education may cross-credit up to 45 100-level credits and 45 200-level credits to the BEd(AdultEd) course. A candidate who wishes to credit more than 90 credits will be required to surrender the Diploma before the credits will be granted.
 - A candidate who has successfully completed a three-year preservice teacher education programme from an accredited provider may be credited with up to 240 credits.
 - A candidate who has successfully completed a two-year preservice teacher education programme from an accredited provider may be credited with up to 90 credits.
 - A candidate who has successfully completed a one-year preservice teacher education programme from an accredited provider may be credited with up to 45 credits.
 - A candidate who has successfully completed a one-year tertiary teaching programme from an accredited provider may be credited with up to 120 credits.
 - A candidate who has successfully completed a two-year tertiary teaching programme from an accredited provider may be credited with up to 240 credits.
- Candidates must provide evidence of completing at least 400 hours of satisfactory adult or tertiary teaching experience; this will be credited as

273.200 once evidence provided. Teaching experience hours that have already been completed as part of a prior Certificate or Diploma in Adult Education do not need to be repeated in a candidate's BEd (AdultEd) course.

Transition Provisions

- A student who has been enrolled in the BEd under Wellington Polytechnic Academic Board Regulations will be able to complete their studies under those Regulations or choose to complete under the Massey University BEd(AdultEd) Regulations.

Schedule One

Compulsory papers:

273.183	Adult Education Practicum	15	P At least 30 100-level credits from 273 Adult Education; R 187.183
273.200	Adult or Tertiary Teaching Experience	0	

Elective papers:

269.332	Māori Issues in Education	15	P any 200-level Education paper; R 182.332
273.180	Introduction to Adult Learning and Teaching	15	R 187.180
273.181	Adult Teaching Strategies	15	R 187.181
273.182	Training Skills for the Workplace	15	R 187.182
273.186	Course Planning and Assessment for Adult Learning	15	R 187.186
273.189	Interpersonal Skills in Adult Learning	15	R 187.189
273.206	Adult Learning	15	P 30 x 100-level credits; R 187.206, 187.278
273.270	Teaching Adults	15	P any 100-level paper; R 187.270
273.274	Curriculum Development for Adult Learning	15	P 30 x 100-level credits; R 187.274
273.276	Assessment in Adult Learning Contexts	15	P 30 x 100-level credits; R 187.276
273.281	New Ideas in Adult Teaching	15	P 30 x 100-level credits; R 187.281
273.282	Teaching Young Adults	15	P 30 x 100-level credits; R 187.279, 187.282
273.293	Negotiated Adult Learning Project I	15	P 30 x 100-level credits; R 187.293
273.370	Professional Development and Practice in Adult Education	15	Any 200-level paper; R 187.370
273.371	Advanced Studies in Adult Learning	15	P 30 x 200-level credits; R 187.371
273.372	Advanced Studies in Adult Teaching	15	P 30 x 200-level Education credits; R 187.372
273.373	Adult Learning and Teaching Project	15	P Any 200-level paper; R 187.373
273.376	Culture, Society and Adult Education	15	P 30 x 200-level credits; R 187.376
273.395	Policy and Issues in Adult Education	15	P Any 200-level Education paper; R 187.395

Additional Papers

Such other papers as may be approved by the Academic Board.

Schedule Two

Papers listed for other Bachelor degrees.

**The Degree of Bachelor of Education (Teaching)
BEd(Tchg)**

No new enrolments from 2013

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations

for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Qualification Requirements

Admission

1. For admission to this programme of study, students must satisfy all the normal requirements for entry to the University and meet the requirements set down by the New Zealand Teachers' Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher. Students are selected into the degree.

Note: While the University will endeavour to meet the general terms and requirements of the Teachers Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers Council.

Duration and Total Credits Value

2. Students enrolled for this degree shall follow an approved course of study equivalent to three full-time years and pass papers with a total value of at least 360 credits as specified below unless credit is granted under the Recognition of Prior Learning Regulations.

Course Structure and Content

3. The course of study must include no fewer than 75 credits at the 300-level.

Schedule One – Early Years (Birth to Age Eight) Option

Year 2

270.104	Integrated Curriculum: Health and Physical Education	15	R 208.104
270.202	The Arts in the Early Years	15	P Any 100-level 270 Early Years Teaching paper
270.204	Developing Language and Literacy	15	P 270.105; R 206.204
270.209	Mathematics in the Early Years II	15	P 270.106; R 210.209, 210.287
270.228	Studies in Infants and Toddlers	15	P Any 100-level paper from 270 Early Years Teaching; R 185.228
270.259	Professional Inquiry and Practice Early Years II	15	P 136.107 or 270.107; 270.105 and 270.108; R 136.259
270.288	Integrated Curriculum: Social Sciences and Technology	15	P Any 100-level 270 Early Years Teaching paper; R 210.288
270.289	Integrated Curriculum: Language and Science	15	P Any 100-level 270 Early Years Teaching paper; R 210.289

Year 3

270.200	He Huarahi Ako: Māori Education for Teachers	15	P Any 100-level paper from 270 Early Years Teaching; R 181.200
270.286	Learning and Development and the Early Years Curriculum	15	P Any 100-level paper from 270 Early Years Teaching; R 185.286
270.304	Advanced Curriculum: Arts in the Early Years	15	Any 200-level Early Years paper
270.322	Perspectives in Early Years Education	15	P Any 200-level paper; R 185.322
270.325	Inclusive Education	15	P Any 200-level paper from 270 Early Years Teaching; R 185.325

270.341	Early Years Assessment and Programming	15	P Any 200-level paper from 270 Early Years Teaching; R 185.341
270.359	Professional Inquiry and Practice Early Years III	15	P 136.259 or 270.259; R 136.359
278.361	Literacy for Diverse Learners	15	P 136.261, 206.204, 270.204 or 278.261; R 136.361

Practical Requirements

4. Supervised Student Teaching is a requirement of the degree. Each of the Professional Inquiry and Practice papers includes at least seven weeks of supervised teaching experience as well as College-based course work. Students are required to pass both the teaching experience component and the coursework component to pass these papers.

Variations

5. Massey University may cancel or refuse to permit the registration of a student in a Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
6. Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.
7. If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.
8. Students enrolled in a Bachelor of Education (Teaching) will be excluded from re-enrolment for that degree on the following basis:
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 75 academic credits or failure to pass at least 60% of an approved part-time course of study in any academic year; or
 - (c) failure to complete the degree within six years from the date of first enrolment.

Students excluded under (a), (b) or (c) above will only be re-admitted to the Bachelor of Education (Teaching) course with the approval of the Academic Board.

9. At the discretion of the Academic Board, a candidate who has successfully completed a three-year pre-service primary teaching diploma from an accredited provider will be credited with up to 240 credits in the Bachelor of Education (Teaching) Early Years Option.

Commencement

10. These Regulations come into force in 2011. They apply to all students who enter the Bachelor of Education (Teaching) Early Years from 2011.

Transition Provisions

11. Students enrolled prior to 2011 will complete under the regulations that were in force at the time of their initial enrolment into the programme. These transition arrangements will expire in 2015.

The Degree of Bachelor of Education (Teaching) Primary/Diploma in Education Studies BEd(Tchg)Primary/DipEdStuds

No new enrolments from 2013

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. For admission to this programme of study, students must satisfy all the normal requirements for entry to the University and meet the requirements set down by the New Zealand Teachers' Council for registration as a teacher in Aotearoa/New Zealand in terms of good character and fitness to be a teacher. Students are selected into the programme.

Note: While the University will endeavour to meet the general terms and requirements of the Teachers Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers' Council.

Duration and Total Credits Value

- Students enrolled for this programme shall follow an approved course of study equivalent to four full-time years and pass papers with a total value of at least 480 credits as specified below unless credit is granted under the Recognition of Prior Learning Regulations.

Special Requirements

- The BEd(Tchg)/DipEdStuds must be completed concurrently as a single programme of study. Only when all of the requirements of both component qualifications have been completed may the degree/diploma be conferred upon the candidate.

Course Structure and Content

- The course of study for the BEd(Tchg) Primary/DipEdStuds must include no fewer than 150 credits at the 300-level or above.
- The course of study must also include:

BEd (Tchg) Primary/DipEdStuds

Year 2

278.206	Developing Teaching Practice	15	P 136.108 or 278.10; R 136.205, 136.206
278.260	Effective Teaching of Mathematics	15	P 136.162 or 278.162; P or C 136.163 or 278.163; R 136.260
278.261	Effective Teaching of Reading	15	P 136.162 and 136.164 or 278.162 and 278.164; R 136.261
278.264	The Child in Diverse Contexts	30	P 136.160 and 136.161 or 278.160 and 278.161; R 136.264
278.265	Effective Teaching of Writing	15	P 136.162 or 278.162; R 136.262, 136.265
278.266	Interdisciplinary Studies I	15	P 15 credits at 100-level from 278 Primary Teaching; R 136.263, 278.263
278.267	Interdisciplinary Studies II	15	P 15 credits at 100-level from 278 Primary Teaching; R 136.263, 278.263

Year 3

278.305	Professional Teaching Practice	30	P One of 136.205, 136.206 or 278.206; R 136.305
278.360	Mathematics for Diverse Learners	15	P 136.260 or 278.260; R 136.360
278.361	Literacy for Diverse Learners	15	P One of 136.261, 206.204, 270.204 or 278.261; R 136.361
278.362	Interdisciplinary Studies for Diverse Learners	30	P Any 200-level from 278 Primary Teaching paper; R 136.362

One of the following papers:

254.301	Philosophy of Education II	15	P 15 credits at 200-level; R 184.301, 187.301, 278.363
254.304	Educational Theory	15	P 15 credits at 200-level from Education; R 187.304, 278.363

One approved 200- or 300-level education paper to the value of 15 credits

Year 4

278.405	Advanced Professional Teaching Practice	15	P 278.305 or 136.305, C 278.406
278.406	Classroom in Action	15	P 136.305 or 278.305
278.460	Classroom Numeracy and Literacy	15	P 136.360 and 136.361 or 278.360 and 278.361
278.461	Classroom Enquiry	15	P Any 300-level from 278 Primary Teaching paper
278.463	Te Hononga – Engaging with Māori in Education	15	P any 300-level from 278 Primary Teaching paper

Two of the following papers:

278.300	Music Leadership in the Classroom	15	P Any 200-level 278 Primary Teaching paper; R 206.300
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278.301	Integrated Technology Resource Development for Teachers	15	P Any 200-level 278 Primary Teaching paper; R 210.301
278.319	Hauora (Total Wellbeing)	15	P Any 200-level 278 Primary Teaching paper; R 208.319
278.321	Advanced Studies in Mathematics I	15	P Any 200-level 278 Primary Teaching paper; R 210.321
278.323	Art Research Practical Studies	15	P Any 200-level 278 Primary Teaching paper; R 206.323
278.333	Learning Visual Language	15	P Any 200-level 278 Primary Teaching paper; R 206.333
278.352	Coastal Processes	15	P Any 200-level 278 Primary Teaching paper; R 210.352, 211.352, 254.352
278.355	Living in a Globalised World	15	P 15 credits on 278 Primary Teaching at 200-level

15 credits from approved 200- or 300-level degree papers

Practical Requirements

- Supervised Student Teaching is a requirement of the degree. Each of the Professional Practice papers includes supervised teaching experience as well as College-based course work. Students are required to pass both the teaching experience component and the course work component to pass these papers.

Variations

- Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.
- If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.
- Students enrolled in a Bachelor of Education (Teaching) Primary/ Diploma in Education Studies will be excluded from re-enrolment for that degree on the following basis:
 - failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - failure to pass papers totalling at least 75 academic credits or failure to pass at least 60% of an approved part-time course of study in any academic year; or
 - failure to complete the degree within six years from the date of first enrolment.

Students excluded under (a), (b) or (c) above will only be re-admitted to the Bachelor of Education (Teaching)/Diploma in Education Studies course with the approval of the Academic Board.

Transition Provisions

- Students who enrolled in 136.205 in 2009 and who fail to successfully complete the course will not be disadvantaged in 278.206, and will be able to graduate with 5 less credits should this circumstance arise.
 - Students who enrolled in 136.262 in 2009 and who fail to successfully complete the course will not be disadvantaged in 278.265, and will be able to graduate with 5 extra credits should this circumstance arise.

Commencement

- These Regulations come into force in 2011. They apply to all students who enter the Bachelor of Education (Teaching) Primary/Diploma in Education Studies from 2011.

The Degree of Bachelor of Engineering with Honours BE(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Degree of Bachelor of Engineering with Honours requires that the candidate will:
 - (a) meet the University admission requirements as specified, and have achieved;
 - (b) NCEA Level 3 with 16 credits or more in both of Physics and Mathematics with Calculus, and in addition for the major of Chemical and Bioprocess Engineering, and the major of Engineering and Innovation Management with a minor in Chemical and Bioprocess 14 credits in Chemistry, or achieved at an equivalent level in an assessment alternative to NCEA, or;
 - (c) Minimum C passes in both of 124.100 Introductory Physics and either 160.103 Introductory Mathematics or 160.132 Concepts in Mathematics, and in addition for the major of Chemical and Bioprocess Engineering, and the major of Engineering and Innovation Management with a minor in Chemical and Bioprocess Engineering, in 123.103 Introductory Chemistry, or equivalent(s).

Qualification Requirements

2. Candidates for the Degree of Bachelor of Engineering with Honours shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - (a) a First Part, Second Part, Third Part, and Fourth Part;
 - (b) at least 4 years of study;And including:
 - (c) 900 hours of practical work experience;
 - (d) completion of one major;
 - (e) Attending field trips, studios, workshops, tutorials, and laboratories as required.
3. In addition to the requirements specified in Regulation 2, candidates for the Bachelor of Engineering (Engineering and Innovation Management) must complete a minor as specified in the schedule to the qualification.
4. Candidates, who in the opinion of the Academic Board, have passed with sufficient merit subjects for the New Zealand Certificate in Science, The National Diploma in Engineering, or an equivalent qualification, may be granted credit, including part or all of the First and Second Parts. The credit granted will be determined by Academic Board after taking into account the areas of study of the certificate and the standard of pass attained.
5. Notwithstanding Regulation 2, candidates, who in the opinion of the Academic Board, have achieved the admission requirements for the Degree of Bachelor of Engineering with Honours to an excellent standard, may be admitted to the programme after the commencement of Part One, but no later than the start of Part Two, and may be granted an exemption, including part or all of the First Part. The exemption granted will be determined by Academic Board after taking into account the level of achievement in the subjects passed prior to, and subsequent to, admission. Alternative papers of an equivalent credit value must be substituted for the exempted papers.
6. The maximum credit or exemption granted under Regulations 3 and 4 or any other credit recognition process shall be 240 credits.

Specialisations

7. Candidates shall complete one of the following majors:
 - Chemical and Bioprocess Engineering
 - Electronics and Computer Engineering

- Engineering and Innovation Management
- Mechatronics
- Product Design Engineering (not available to new entrants).

The following majors continue to be offered for students in accordance with transition regulations 19 to 25:

Chemical and Nanotechnology

- Computer and Electronic Engineering
- Electronics and Communication Engineering
- Engineering and Industrial Management
- Environmental Technology and Sustainable Energy
- Industrial Automation
- Multimedia Systems Engineering
- Product Development
- Software Engineering
- Telecommunications and Network Engineering.

The requirements for each major are set out in the Schedule for the Degree of Bachelor of Engineering with Honours.

Academic Requirements

8. Candidates for the Engineering and Innovation Management major shall complete one of the following minors:
 - Chemical and Bioprocess Engineering
 - Electronics and Computer Engineering
 - Mechatronics.
9. Every candidate for the Degree of Bachelor of Engineering with Honours shall complete to the satisfaction of Academic Board a minimum of 900 hours of approved practical work and associated reports in accordance with the following papers:
 - (a) 228.110 Practicum I;
 - (b) 228.210 Practicum II;
 - (c) 228.310 Practicum III.Passes in these papers will be awarded on the basis of practical work completed in accordance with the guidelines governing the practical work requirements.

Student Progression

10. Candidates may progress from Part One to Two, Two to Three, and Three to Four, by passing all papers in the prior part, either by examination or by the award of a combined results pass.
11. Candidates who fail to pass a complete Part in accordance with Regulation 10 shall re-enrol in the remaining unpassed paper(s) at the next available offering of the paper(s).
12. Candidates who are retaking papers from Part One in accordance with Regulation 11 may not progress to Part Two until all of Part One has been successfully completed.
13. Candidates who are retaking papers in Parts Two and Three in accordance with Regulation 11 may apply for permission to enrol in papers from the subsequent part, where the nominated papers are from different areas of study to the papers unpassed; permission will only be granted where, in the opinion of Academic Board, the academic record of the candidate shows proven merit.
14. The Degree of Bachelor of Engineering with Honours may be awarded with First Class Honours or with Second Class Honours (Division I) or with Second Class Honours (Division II) or with Third Class Honours. The class of Honours shall be determined by the candidate's performance in the Second, Third and Fourth Parts of the Degree. The award of Third Class Honours is not available to students completing under Transition Regulations 19 to 25.
15. Candidates who have passed all courses and completed all other requirements for a Bachelor of Engineering with Honours but whose performance in the courses is deemed by the Academic Board, upon

recommendation of the examiners, not to be of Honours standard will be awarded the Degree of Bachelor of Engineering.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Bachelor of Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress Regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Bachelor of Engineering with Honours on or after 1 January 2012 must satisfy the requirements specified in these regulations.
- Candidates who commenced study towards the Chemical and Nanotechnology, Computer and Electronic Engineering, Environmental Technology and Sustainable Energy, Industrial Automation, Multimedia Systems Engineering, Electronics and Communication Engineering, Engineering and Industrial Management, Software Engineering, and Telecommunications and Network Engineering majors in 2011 or earlier may choose to transfer to either the Chemical and Bioprocess Engineering, Electronics and Computer Engineering, Mechatronics, or Engineering and Innovation Management majors but must satisfy all requirements specified in these regulations.
- Candidates who commenced study towards the Chemical and Nanotechnology, Computer and Electronic Engineering, Environmental Technology and Sustainable Energy, Industrial Automation, and Multimedia Systems Engineering majors prior to 2012, but who have not completed the qualification by the end of the 2015 academic year, will not be permitted to complete these majors and will be required to transfer to either the Chemical and Bioprocess Engineering, Electronics and Computer Engineering, Mechatronics, or Engineering and Innovation Management majors from 2016.
- Candidates who commenced study towards the Electronics and Communication Engineering, Engineering and Industrial Management, Software Engineering, and Telecommunications and Network Engineering majors prior to 2010, but who have not completed the qualification by the end of the 2013 academic year, will not be permitted to complete these majors and will be required to transfer to either the Chemical and Bioprocess Engineering, Electronics and Computer Engineering, Mechatronics, Engineering and Innovation Management majors from 2014.
- Candidates who commenced study towards the Product Development major prior to 2015 will be permitted to complete under the regulations in the 2014 Massey University Calendar (or the regulations of the year under which first enrolled) until the end of the 2018 academic year, or will be permitted to transfer to the Engineering and Innovation Management major.
- Candidates who commenced study towards the Chemical and Nanotechnology, Computer and Electronic Engineering, Environmental Technology and Sustainable Energy, Industrial Automation, and Multimedia Systems Engineering majors prior to 2012, but who have not completed the qualification by the end of the 2015 academic year, will not be permitted to complete these majors and will be required to transfer to either the Chemical and Bioprocess Engineering, Electronics and Computer Engineering, Mechatronics, or Product Development majors from 2016.
- Candidates who commenced study towards the Electronics and Communication Engineering, Engineering and Industrial Management, Software Engineering, and Telecommunications and Network Engineering majors prior to 2010, but who have not completed the qualification by the end of the 2013 academic year, will not be permitted to complete these majors and will be required to transfer to either the Chemical and Bioprocess Engineering, Electronics and Computer Engineering, Mechatronics, or Product Development majors from 2014.

Schedule for the Degree of Bachelor of Engineering with Honours

Chemical and Bioprocess Engineering (Chem and Bioprocess)

Albany and Manawatū Campuses

First Part

123.171	Chemistry for Biological Systems 1	15	P 14 credits NCEA Level 3 in Chemistry or equivalent; C 124.171, 228.171, (141.111 or 228.111); R 123.101
124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C 123.171 or 159.171, 228.171, 141.111 or 228.111; R 124.101
228.111	Engineering Practice 1: Global Perspectives	15	P Restricted to BE(Hons) only; C 123.171 or 159.171, 124.171, 228.171; R 140.125, 140.150, 141.111, 228.125 and 228.150
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C (123.171 or 159.171), 124.171, (228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111
123.172	Chemistry for Biological Systems 2	15	P 123.171 or 123.101; C 124.172, 228.172, and (141.112 or 228.112); R 123.102
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
228.112	Engineering Practice 2: Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172 or 159.172, 228.172, 124.172; R 140.120, 141.112, 143.150, 228.120, 228.152
228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133

Second Part

123.271	Molecules to Materials	15	P (123.171 or 123.101) and (123.172 or 123.102)
228.211	Engineering Practice 3: Product Development	15	P 124.172, 228.172, 228.112 and (123.172 or 159.172); C 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 141.211
228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C (141.211 or 228.211) and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223
280.271	Heat and Mass – Conservation and Transfer	15	P 123.172, 124.172, 228.172
123.201	Chemical Energetics	15	P 123.102 or 123.172
228.212	Engineering Practice 4: Materials and Manufacturing	15	P (141.211 or 228.211), 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; C (123.201, 280.201, 280.272) or (159.270, 281.272, 281.282); R 141.212
280.201	Industrial Microbiology	15	P 123.171 and 123.172; R 142.201, 141.222, 162.212, 162.214
280.272	Fluid Flow and Particle Technology	15	P 123.172, 124.172, 228.172

Third Part

Manawatū Campus

228.312	Engineering Practice 5: Process Engineering with Constraints	30	P 280.271, 280.272, 228.211, 228.212; C 280.341; R 138.346, 140.394, 280.346, 280.394
228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
280.341	Environmental Technology	15	P 142.201 or 280.201; R (142.400 or 280.400) and (142.405 or 280.405)

280.371	Process Engineering Operations	15	P (280.271, 280.272) or (141.294, and (141.221 or 280.299)) and (141.292 or 280.297); R 280.391
280.372	Reaction Technologies and Process Modelling	15	P [(123.201 and 123.271) or 123.220], [228.271 or 228.222], [(280.271 and 280.272) or (141.294 and (280.299 or 141.221))], [280.201 or 141.222]; R 280.391, 280.392
280.304	Bioseparation and Purification Processes	15	P (141.294 and (280.299 or 141.221)) or (280.271 and 280.272); R 142.304

An approved elective from:

123.202	Organic and Biological Chemistry	15	P 123.101 or 123.171
162.307	Microbial Biotechnology	15	P (162.211 or 141.222), and (162.212 or 280.201) and 122.102
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
280.760	Industrial Refrigeration	15	P Graduate status and PPD; R 142.760
236.201	Nanoscience	15	P 123.102 (or 123.172), 124.101 (or 124.111 or 124.171); R 142.312, 280.312

Fourth Part

Manawatū Campus

228.711	Engineering Practice 6 : Design Capstone Project	30	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 228.485, 280.430
228.798	Individual Research Project	30	P 228.311 or 228.312, or Graduate status and PPD
280.721	Process Improvement	15	P 228.312, 280.371, 280.372; R 142.400, 142.405, 142.411, 280.400, 280.405, 280.411
280.771	Chemical and Bioprocess Engineering	15	P (140.391 or 280.391), (140.392 or 280.392), 280.371, 280.372; R 142.403, 280.403
280.702	Process Control	15	P (228.222 or 228.271) and (280.371 or 280.391); R 142.402

15 credits from:

141.710	Food Packaging Engineering and Legislation	15	P (280.271 or (141.294 and (141.221 or 280.299))), (280.371 or 280.391), (280.372 or 280.392); R 228.732, 228.733, 228.734, 228.735, 228.736
141.723	Industrial Systems Improvement	15	R 141.424, 278.342, 228.479
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
280.760	Industrial Refrigeration	15	P Graduate status and PPD; R 142.760

Chemical and Nanotechnology (ChemNano)

No new enrolments from 2012.

Computer and Electronic Engineering (CompElecEng)

No new enrolments from 2012.

Electronics and Communication Engineering (ElecComEng)

No new enrolments from 2010

Electronics and Computer Engineering (Elec&CompEng) (formerly Electronics and Computer Systems Engineering)

Albany and Manawatū Campuses

First Part

124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C 123.171 or 159.171, 228.171, 141.111 or 228.111; R 124.101
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102
228.111	Engineering Practice 1 : Global Perspectives	15	P Restricted to BE(Hons) only; C 123.171 or 159.171, 124.171, 228.171; R 140.125, 140.150, 141.111, 228.125 and 228.150
228.112	Engineering Practice 2 : Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172 or 159.172, 228.172, 124.172; R 140.120, 141.112, 143.150, 228.120, 228.152
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C 123.171 or 159.171, 124.171, 228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111
228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133

Second Part

228.211	Engineering Practice 3: Product Development	15	P 124.172, 228.172, 228.112, and 123.172 or 159.172; C 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 141.211
228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C 141.211 or 228.211 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223
281.273	Communication Network Architectures	15	P 159.172; C 228.271
281.281	Analogue Electronic Systems	15	P 124.171, 124.172; R 124.241, 124.251, 281.251
159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
228.212	Engineering Practice 4 : Materials and Manufacturing	15	P (141.211 or 228.211), 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; C (123.201, 280.201, 280.272) or (159.270, 281.272, 281.282); R 141.212
281.272	Signals and Systems	15	P 281.281, and 228.271 or 160.204; R 124.344, 143.227, 143.333, 281.227, 281.333
281.282	Digital Electronic Systems	15	P 159.172; R 124.242, 124.252, 281.252

Third Part

228.311	Engineering Practice 5: Engineering Design with Constraints	30	P 228.211, 228.212, 281.281, 281.282; C 281.384 or 280.341 or 287.342
228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
281.374	Communication Systems	15	P 281.272, 281.273; R 143.332, 281.332
281.384	Embedded Systems Design	15	P 159.270, 281.282; R 140.320, 143.339, 281.320, 281.339
281.375	Data Communication Networks	15	P 159.270 or 159.271; R 143.471, 159.334, 159.354, 281.471
281.385	Advanced Electronic Circuits	15	281.281, 281.282, 281.272

Albany Campus

15 credits from:

281.353	Control Engineering	15	P 281.272; R 143.335, 282.346, 281.335, 282.346
158.326	Software Architecture	15	P ((158.212 or 158.258 or 159.234) and 158.225) or 159.270

Manawatū Campus

15 credits from:

281.353	Control Engineering	15	P 281.272; R 143.335, 282.346, 281.335, 282.346
159.251	Software Engineering Design and Construction	15	P (159.101 & 159.102) or 159.272; R 159.351
158.326	Software Architecture	15	P ((158.212 or 158.258 or 159.234) and 158.225) or 159.270

Fourth part

228.711	Engineering Practice 6: Design Capstone Project	30	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 228.485, 280.430
228.798	Individual Research Project	30	P 228.311 or 228.312, or Graduate status and PPD
281.755	Digital Signal Processing	15	P 281.272; R 124.344, 143.333, 281.333
281.785	Advanced Computer Engineering	15	P 281.384; R 143.474, 281.474

30 credits from:

Albany Campus

281.776	Advanced Communication Engineering	15	P 281.273, 281.374; R 143.448, 143.466, 281.448, 281.466
281.786	Advanced Micro- and Nano-Electronics	15	P 281.385; R 124.345, 143.457, 281.457

Any 700-level 15 credit paper selected from the following prefixes: 158 Information Technology, 159 Computer Science.

Manawatū Campus

281.776	Advanced Communication Engineering	15	P 281.273, 281.374; R 143.448, 143.466, 281.448, 281.466
281.756	Image and Video Processing	15	P 281.272; R 281.473

Any 700-level 15 credit paper selected from the following prefixes: 158 Information Technology, 159 Computer Science.

Engineering and Industrial Management (EnglndMan)

No new enrolments from 2010.

Engineering and Innovation Management (EIM)

First Part

Core papers (90 credits):

124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C 123.171 or 159.171, 228.171, 141.111 or 228.111; R 124.101
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
228.111	Engineering Practice 1 : Global Perspectives	15	P Restricted to BE(Hons) only; C 123.171 or 159.171, 124.171, 228.171; R 140.125, 140.150, 141.111, 228.125 and 228.150
228.112	Engineering Practice 2: Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172 or 159.172, 28.172, 124.172; R 140.120, 141.112, 143.150, 228.120, 228.152
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C (123.171 or 159.171), 124.171, (228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111

228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133
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Minor specialisation papers (30 credits)

Chemical and Bioprocess Engineering minor

123.171	Chemistry for Biological Systems 1	15	P 14 credits NCEA Level 3 in Chemistry or equivalent; C 124.171, 228.171, (141.111 or 228.111); R 123.101
123.172	Chemistry for Biological Systems 2	15	P 123.171 or 123.101; C 124.172, 228.172, and (141.112 or 228.112); R 123.102

Electronics and Computer Engineering minor

159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102

Mechatronics minor

159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102

Second Part

Core papers (45 credits):

228.211	Engineering Practice 3: Product Development	15	P 124.172, 228.172, 228.112 and (123.172 or 159.172); C 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 141.211
228.212	Engineering Practice 4: Materials and Manufacturing	15	P (141.211 or 228.211), 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; C (123.201, 280.201, 280.272) or (159.270, 281.272, 281.282); R 141.212
228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C (141.211 or 228.211) and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223

Minor specialisation papers (75 credits):

Chemical and Bioprocess Engineering minor

123.201	Chemical Energetics	15	P 123.102 or 123.172
123.271	Molecules to Materials	15	P (123.171 or 123.101) and (123.172 or 123.102)
280.201	Industrial Microbiology	15	P 123.171 and 123.172; R 142.201, 141.222, 162.212, 162.214
280.271	Heat and Mass – Conservation and Transfer	15	P 123.172, 124.172, 228.172
280.272	Fluid Flow and Particle Technology	15	P 123.172, 124.172, 228.172

Electronics and Computer Engineering minor

159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
281.272	Signals and Systems	15	P 281.281 and (228.271 or 160.204); R 124.344, 143.227, 143.333, 281.227, 281.333
281.273	Communication Network Architectures	15	P 159.172; C 228.271
281.281	Analogue Electronic Systems	15	P 124.171 124.172; R 124.241, 124.251, 281.251
281.282	Digital Electronic Systems	15	P 159.172; R 124.242, 124.252, 281.252

Mechatronics minor

159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
281.272	Signals and Systems	15	P 281.281 and (228.271 or 160.204); R 124.344, 143.227, 143.333, 281.227, 281.333

281.281	Analogue Electronic Systems	15	P 124.171 124.172; R 124.241, 124.251, 281.251
281.282	Digital Electronic Systems	15	P159.172; R124.242, 124.252, 281.252
282.260	Manufacturing Engineering and Computer-Aided Design	15	P 124.172 and 228.172; C 228.271, 228.211; R 143.334, 282.334

Third Part

Core papers (90 credits):

228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
287.320	Product Design	15	P 228.211 and 228.212
287.342	Agile Manufacturing	15	R 143.329, 143.342
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre-2009), or 110.100 (pre 1997); 115.101 or 161.110 (recommended); R 25.201

And either Electronics and Computing, and Mechatronics minors

228.311	Engineering Practice 5: Engineering Design within Constraints	30	P 281.281, 281.282, 228.211, 228.212; C 281.384 or 280.341 or 287.342
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or Chemical and Bioprocess engineering minor

228.312	Engineering Practice 5: Process Engineering with Constraints	30	P 280.271, 280.272, 228.211, 228.212; C 280.341; R 138.346, 140.394, 280.346, 280.394
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Minor specialisation papers (30 credits):

Chemical and Bioprocess Engineering minor

280.371	Process Engineering Operations	15	P (280.271, 280.272) or (141.294, and (141.221 or 280.299)) and (141.292 or 280.297); R 280.391
280.372	Reaction Technologies and Process Modelling	15	P [(123.201 and 123.271) or 123.220], [228.271 or 228.222], [(280.271 and 280.272) or (141.294 and (280.299 or 141.221))], [280.201 or 141.222]; R 280.391, 280.392

Electronics and Computer Engineering minor

281.374	Communication Systems	15	P 281.272, 281.273; R 143.332, 281.332
281.385	Advanced Electronic Circuits	15	281.281, 281.282, 281.272

Mechatronics minor

282.371	Mechanical Engineering – Solid Dynamics		P 124.172; R 282.221, 282.360
282.372	Mechanical Engineering – Mechanism and Component Design	15	P 124.172, 282.260; R 143.221, 143.360, 282.221, 282.360

Fourth Part

Core papers (60 credits):

228.711	Engineering Practice 6 : Design Capstone Project	30	P 228.311 or 228.312, or appropriate industrial experience, or graduate status and PPD; R 228.485, 280.430
228.798	Individual Research Project	30	P 228.311 or 228.312, or Graduate status and PPD

Minor specialisation papers (15 credits):

Chemical and Bioprocess Engineering minor

280.702	Process Control	15	P (228.222 or 228.271) and (280.371 or 280.391); R 142.402
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Electronics and Computer Engineering minor

281.755	Digital Signal Processing	15	P 281.272; R 124.344, 143.333, 281.333
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or

281.785	Advanced Computer Engineering	15	P 281.384; R 143.474, 281.474
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Mechatronics minor

282.778	Mechatronics	15	P (281.384, 282.372) or Graduate status; R 143.478, 282.478
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Engineering and Innovation Management elective papers (45 credits):

238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers P 228.311 or 228.312 or appropriate industrial experience, or Graduate status and PPD; R 287.703
287.740	Innovation Management	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 287.703
287.706	New Product Development	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD
287.741	Quality System Development and Management	15	P 228.371 or appropriate industrial experience, or Graduate status and PPD; R 287.730
287.742	Business Process Improvement	15	P 228.371, or appropriate industrial experience, or Graduate status and PPD; R 287.730
287.743	Lean Operations	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 143.331, 143.343, 287.343
287.744	Advanced Manufacturing Strategies	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 287.463

Environmental Technology and Sustainable Energy (EnvTech)

No new enrolments from 2012.

Industrial Automation (IndAuto)

No new enrolments 2012.

Mechatronics (Mechatronics)

Albany and Manawatū Campuses

First Part

124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C 123.171 or 159.171, 228.171, 141.111 or 228.111; R 124.101
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102
228.111	Engineering Practice 1 : Global Perspectives	15	P Restricted to BE(Hons) only; C 123.171 or 159.171, 124.171, 228.171; R 140.125, 140.150, 141.111, 228.125 and 228.150
228.112	Engineering Practice 2 : Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172 or 159.172, 28.172, 124.172; R 140.120, 141.112, 143.150, 228.120, 228.152
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C (123.171 or 159.171), 124.171, (228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111
228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133

Second Part

228.211	Engineering Practice 3: Product Development	15	P 124.172, 228.172, 228.112 and (123.172 or 159.172); C 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 141.211
282.260	Manufacturing Engineering and Computer-Aided Design	15	P 124.172 and 228.172; C 228.271, 228.211; R 143.334, 282.334

228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C (141.211 or 228.211) and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223
281.281	Analogue Electronic Systems	15	P 124.171 124.172; R 124.241, 124.251, 281.251
159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
228.212	Engineering Practice 4: Materials and Manufacturing	15	P (141.211 or 228.211), 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; C (123.201, 280.201, 280.272) or (159.270, 281.272, 281.282); R 141.212
281.272	Signals and Systems	15	P 281.281 and (228.271 or 160.204); R 124.344, 143.227, 143.333, 281.227, 281.333
281.282	Digital Electronic Systems	15	P 159.172; R 124.242, 124.252, 281.252

Third Part

228.311	Engineering Practice 5: Engineering Design with Constraints	30	P 281.281, 281.282, 228.211, 228.212; C 281.384 or 280.341 or 287.342
228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
282.371	Mechanical Engineering – Solid Dynamics	15	P 124.172; R 282.221, 282.360
281.384	Embedded Systems Design	15	P 159.270, 281.282; R 140.320, 143.339, 281.320, 281.339
282.372	Mechanical Engineering – Mechanism and Component Design	15	P 124.172, 282.260; R 143.221, 143.360, 282.221, 282.360
282.373	Mechanical Engineering – Fluid Mechanics and Thermodynamics	15	P 124.172; R 282.221, 282.336
281.353	Control Engineering	15	P 281.272; R 143.335, 143.346, 282.346, 281.335

Fourth Part

228.711	Engineering Practice 6 : Design Capstone Project	30	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 228.485, 280.430
228.798	Individual Research Project	30	P 228.311 or 228.312, or Graduate status and PPD
282.772	Industrial Systems Design and Integration	15	P 159.201, 282.336, 282.360; R 143.472, 282.472
282.778	Mechatronics	15	P (281.384, 282.372) or Graduate status; R 143.478, 282.478
282.762	Robotics and Automation	15	P (281.384, 282.372) or Graduate status; R 143.462, 282.462

Any 700 level 15 credit paper selected from the following prefixes: 158 Information Technology, 159 Computer Science.

Multimedia Systems Engineering (MultMedSysEng)

No new enrolments from 2011.

Product Design Engineering (ProdDesEng)

No new enrolments from 2011.

Product Development (ProdDev)

No new enrolments from 2015.

Albany and Manawatū Campuses

First Part

124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C 123.171 or 159.171, 228.171, 141.111 or 228.111; R 124.101
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102

228.111	Engineering Practice 1 : Global Perspectives	15	P Restricted to BE(Hons) only; C 123.171 or 159.171, 124.171, 228.171; R 140.125, 140.150, 141.111, 228.125 and 228.150
228.112	Engineering Practice 2 : Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172 or 159.172, 228.172, 124.172; R 140.120, 141.112, 143.150, 228.120, 228.152
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C (123.171 or 159.171), 124.171, (228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111
228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133

Second Part

228.211	Engineering Practice 3: Product Development	15	P 124.172, 228.172, 228.112 and (123.172 or 159.172); C 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 141.211
282.260	Manufacturing Engineering and Computer-Aided Design	15	P 124.172 and 228.172; C 228.271, 228.211; R 143.334, 282.334
228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C (141.211 or 228.211) and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223
281.281	Analogue Electronic Systems	15	P 124.171, 124.172; R 124.241, 124.251, 281.251
159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
228.212	Engineering Practice 4 : Materials and Manufacturing	15	P (141.211 or 228.211), 228.271 and two of 123.271, 280.271, 281.281, 282.260, 281.273; C (123.201, 280.201, 280.272) or (159.270, 281.272, 281.282); R 141.212
281.272	Signals and Systems	15	P 281.281 and (228.271 or 160.204); R 124.344, 143.227, 143.333, 281.227, 281.333
281.282	Digital Electronic Systems	15	P 159.172; R 124.242, 124.252, 281.252

Third Part

125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 (pre-2009), or 110.100 (pre 1997); 115.101 or 161.110 (recommended); R 25.201
228.311	Engineering Practice 5: Engineering Design with Constraints	30	P 281.281, 281.282, 228.211, 228.212; C 281.384 or 280.341 or 287.342
228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
282.371	Mechanical Engineering – Solid Dynamics		P 124.172; R 282.221, 282.360
282.372	Mechanical Engineering – Mechanism and Component Design	15	P 124.172, 282.260; R 143.221, 143.360, 282.221, 282.360
287.320	Product Design	15	P 228.211 and 228.212
287.342	Agile Manufacturing	15	PR 143.329, 143.342

Fourth Part

228.711	Engineering Practice 6: Design Capstone Project	30	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 228.485, 280.430
228.798	Individual Research Project	30	P 228.311 or 228.312, or Graduate status and PPD
282.778	Mechatronics	15	P (281.384, 282.372) or Graduate status; R 143.478, 282.478
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status

287.740	Innovation Management	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD; R 287.703
287.706	New Product Development	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD

Telecommunication and Network Engineering (TelNetEng)

No new enrolments from 2009.

The Degree of Bachelor of Engineering BE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Candidates who have passed all courses and completed all other requirements for a BE(Hons) but whose performance in the courses is deemed by the Academic Board, upon recommendation of the examiners, not to be of Honours standard will be awarded a degree of Bachelor of Engineering.

The Degree of Bachelor of Environmental Management BEnvMgmt

No new enrolments under these regulations from 2010

Students enrolled for this programme in 2009 may continue under the regulations in the 2009 Massey University calendar.

An alternative programme for students interested in this area can be found in the BSc(Environmental Science).

The Degree of Bachelor of Fine Arts with Honours BFA(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Fine Arts with Honours requires that the candidate will:
 - meet the University admission requirements as specified; and
 - be selected into the Qualification based partially on the assessment of a portfolio of work submitted by the applicant, and an interview at the discretion of the University.
- An applicant who holds the degree of Bachelor of Fine Arts shall not be admitted to the Bachelor of Fine Arts with Honours.

Qualification Requirements

- Candidates for the Degree of Bachelor of Fine Arts with Honours shall follow a parts based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - Part I, Part II, Part III, and Part IV as specified in Schedule A;
 - elective papers from Schedule B to the Degree; and/or elective papers from Schedule C to the Degree of the Bachelor of Design with Honours; or any other paper.

And including:

- not more than 165 credits at 100 level;
 - at least 90 credits at 200-level;
 - at least 105 credits at 300-level;
 - at least 120 credits at 400 level or above.
- Notwithstanding Regulation 3, holders of a Massey University Diploma in Photography who are admitted to the Degree of Bachelor of Fine Arts with Honours, may, on surrender of the diploma, be permitted to transfer

up to 120 credits at 100-level and up to 75 credits at 200-level to the Bachelor of Fine Arts with Honours.

Specialisations

- The Degree of Bachelor of Fine Arts with Honours is awarded without specialisation.

Student Progression

- Admission to Part II will not normally occur until the candidate has passed all the requirements for Part I from Schedule A.
- For progression to Part IV of Bachelor of Fine Arts with Honours, candidates must have passed the Part III credits from Schedule A.
- The Academic Board may grant exemptions to the requirements of Regulations 6 and 7 based on the subjects studied and prior performance of the student.
- The Degree of Bachelor of Fine Arts with Honours may be awarded with First Class Honours or with Second Class Honours Division I or Second Class Honours Division II or with Third Class Honours. The class of Honours awarded shall be determined by the examiners on the performance of the candidate in Part IV of the programme.

Completion Requirements

- The Bachelor of Fine Arts with Honours must be completed within the following timeframes:
 - five consecutive academic years for full time students
 - eight consecutive academic years for part-time students
 unless a specified time of suspension or extension has been approved by the Academic Board. Permission must be sought in advance of any suspension or extension by applying in writing to the Programme Director. Suspensions or extensions granted will appear on the academic record.
- Candidates may be graduated when they meet the Qualification requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Bachelor of Fine Arts should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

13. All candidates who commence Part I on or after 1 January 2014 must satisfy the requirements of these regulations as specified in Schedules A and B for the qualification.
14. Candidates who commenced the BFA(Hons) prior to 1 January 2014 may for Parts already completed satisfy the requirements of these regulations as specified in Schedule C for the qualification.
15. No candidate enrolled before 2014 will be required to complete more than 480 credits as a consequence of the introduction of these regulations.
16. These transition regulations, including Schedule C, expire at the end of 2017.

Schedule for the Qualification

Schedule A

Part I

237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102

Plus one of

213.157	Studio I (Art Lab)	15	Portfolio; R 197.132
213.158	Studio I (Art Place)	15	Portfolio; R 197.131

Plus three of

198.157	Studio I (Object)	15	Portfolio; R 197.132
212.157	Studio I (Dress)	15	Portfolio; R 197.135
213.157	Studio I (Art Lab)	15	Portfolio; R 197.132
213.158	Studio I (Art Place)	15	Portfolio; R 197.131
221.157	Studio I (Lens)	15	Portfolio; R 221.101
222.157	Studio I (Screen)	15	Portfolio; R 197.131
222.158	Studio I (Type)	15	Portfolio; R 197.131, 222.100
223.157	Studio I (Material)	15	Portfolio; R 197.133
224.157	Studio I (Space)	15	Portfolio; R 197.131

Part II

213.241	Art Studio I	30	P 213.157 or 213.158 or (197.131 and 197.132); R 213.251
213.242	Art Studio II	30	P 213.241; R 213.251
237.230	Creative Cultures and Contexts I	15	P 75 credits at 100-level; R 198.281, 212.202, 213.252, 221.281, 222.281, 223.202, 224.281

PLUS one of the following

197.288	Creative Industries	15	P 75 credits at 100-level
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OR

237.231	Creative Cultures and Contexts II	15	P 75 credits at 100-level
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Part III

213.341	Art Studio III	30	P 213.242 or (213.251 or 213.201); R 213.300, 213.351
213.342	Art Studio IV	30	P 213.341; R 213.300, 213.351
213.357	Introduction to Fine Arts Research Methods and Practices	15	P 213.352 or 237.330
237.330	Creative Cultures and Ideas	15	P 237.230 or 237.231

PLUS one of the following

197.388	Creative Enterprise	15	P 75 credits at 200 level; R198.481, 212.425, 221.382, 222.382, 223.425, 224.382
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OR

237.331	Creative Cultures and Display	15	P 75 credits at 200 level
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Part IV

213.441	Art Studio Research	30	P (213.342 or 213.351) and 213.357; C 213.463; R 213.401, 213.451
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213.442	Art Studio V	45	P 213.440 or 213.441; R 213.401, 213.461
213.463	Fine Arts Research Seminar	15	P 213.357 or Permission Head of School; C 213.441

PLUS one of the following

197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
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OR

213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or PHOS
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OR

237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or PHOS
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Schedule B

213.150	Painting	15	R 213.203
213.151	Contemporary Sculpture	15	R 213.204
213.154	Drawing as Expanded Practice	15	
213.155	Drawing the Body I	15	R 197.101
213.211	Fine Arts Special Topic II	15	P Permission Paper Coordinator
213.254	Contemporary Drawing	15	P 75 credits at 100 level from College of Creative Arts; R 197.201
213.255	Drawing the Body II	15	P 213.155 or 197.101; R 197.200
213.256	Contemporary Art Projects A	15	P 75 credits at 100 level from College of Creative Arts
213.257	Contemporary Art Projects B	15	P 75 credits at 100 level from College of Creative Arts
213.258	Contemporary Art Projects C	15	P 75 credits at 100 level from College of Creative Arts
213.259	Contemporary Art Projects D	15	P 75 credits at 100 level from College of Creative Arts
213.260	Fine Arts Special Topic IIB	30	
213.261	Contemporary Art Projects F	15	P 75 credits at 100 level from College of Creative Arts
213.262	Contemporary Art Projects G	15	P 75 credits at 100 level from College of Creative Arts
213.263	Contemporary Art Projects H	15	P 75 credits at 100 level from College of Creative Arts
213.264	Contemporary Art Projects I	15	P 75 credits at 100 level from College of Creative Arts
213.265	Contemporary Art Projects J	15	P 75 credits at 100 level from College of Creative Arts
213.311	Fine Arts Special Topic III	15	P Permission Paper Coordinator
213.355	Drawing the Body III	15	P 213.255 or 197.200; R197.301
213.356	Contemporary Art Projects E	15	P 75 credits at 200 level from College of Creative Arts
213.358	Fine Arts Internship	15	P 60 credits at 200 level from College of Creative Arts; R 213.412
213.359	Contemporary Art Projects K	15	P 75 credits at 200 level from College of Creative Arts
213.360	Fine Arts Special Topic IIIB	30	
213.411	Fine Arts Special Topic IV	15	P Permission Paper Coordinator
213.464	Art in Context	15	P 75 credits at 300 level

Schedule C

Part I: 197.131, 197.132, 237.101, 237.102.

Part II: 213.251 or (213.241 and 213.242); and (213.252 and 213.253) or (237.230 and one of 197.288 or 237.231).

Part III: 213.351 or (213.341 and 213.342); and (213.352 and 213.353) or (237.330 and one of 197.388 or 237.331); and 213.357.

Part IV: (213.451 and 213.461) or (213.441 and 213.442); and 213.463; and 213.462 or one of 197.465, 213.465, 237.465.

The Degree of Bachelor of Fine Arts

BFA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Fine Arts requires that the candidate will:
 - meet the University admission requirements as specified; and
 - be selected into the Qualification based partially on the assessment of a portfolio of work submitted by the applicant, and an interview at the discretion of the University.

Qualification Requirements

- Candidates for the Degree of Bachelor of Fine Arts shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - Part I, Part II, Part III, and Part IV as specified in Schedule A;
 - elective papers from Schedule B to the Degree; and/or elective papers from Schedule C to the Degree of the Bachelor of Design with Honours or any other paper.
 And including:
 - not more than 180 credits at 100 level;
 - at least 90 credits at 200-level;
 - at least 90 credits at 300-level;
 - at least 90 credits at 400 level or above.

Notwithstanding Regulation 2, holders of a Massey University Diploma in Photography who are admitted to the Degree of Bachelor of Fine Arts, may, on surrender of the diploma, be permitted to transfer up to 120 credits at 100-level and up to 75 credits at 200-level to the Bachelor of Fine Arts.

Specialisations

- The Degree of Bachelor of Fine Arts is awarded without specialisation.

Student Progression

- Admission to Part II will not normally occur until the candidate has passed all the requirements for Part I from Schedule A.
- The Academic Board may grant exemptions to the requirements of Regulation 5 based on the subjects studied and prior performance of the student.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Qualification requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an alternative qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates who commence Part I on or after 1 January 2014 must satisfy the requirements of these regulations as specified in Schedules A and B for the qualification.
- Candidates who commenced the BFA(Hons) prior to 1 January 2014 may for Parts already completed satisfy the requirements of these regulations as specified in Schedule C for the qualification.

- No candidate enrolled before 2014 will be required to complete more than 480 credits as a consequence of the introduction of these regulations.
- These transition regulations, including Schedule C, expire at the end of 2017.

Schedule for the Qualification

Schedule A

Part I

237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102

Plus one of

213.157	Studio I (Art Lab)	15	Portfolio; R 197.132
213.158	Studio I (Art Place)	15	Portfolio; R 197.131

Plus three of

198.157	Studio I (Object)	15	Portfolio; R 197.132
212.157	Studio I (Dress)	15	Portfolio; R 197.135
213.157	Studio I (Art Lab)	15	Portfolio; R 197.132
213.158	Studio I (Art Place)	15	Portfolio; R 197.131
221.157	Studio I (Lens)	15	Portfolio; R 221.101
222.157	Studio I (Screen)	15	Portfolio; R 197.131
222.158	Studio I (Type)	15	Portfolio; R 197.131, 222.100
223.157	Studio I (Material)	15	Portfolio; R 197.133
224.157	Studio I (Space)	15	Portfolio; R 197.131

Part II

213.241	Art Studio I	30	P 213.157 or 213.158 or (197.131 and 197.132); R 213.251
213.242	Art Studio II	30	P 213.241; R 213.251
237.230	Creative Cultures and Contexts I	15	P 75 credits at 100 level; R 198.281, 212.202, 213.252, 221.281, 222.281, 223.202, 224.281

PLUS one of the following

197.288	Creative Industries	15	P 75 credits at 100 level
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OR

237.231	Creative Cultures and Contexts II	15	P 75 credits at 100 level
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Part III

213.341	Art Studio III	30	P 213.242 or (213.251 or 213.201); R 213.300, 213.351
213.342	Art Studio IV	30	P 213.341; R 213.300, 213.351
237.330	Creative Cultures and Ideas	15	P 237.230 or 237.231

PLUS one of the following

197.388	Creative Enterprise	15	P 75 credits at 200 level; R198.481, 212.425, 221.382, 222.382, 223.425, 224.382
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OR

237.331	Creative Cultures and Display	15	P 75 credits at 200 level
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Part IV

213.440	Art Studio Practice	30	P 213.342 or 213.351; R 213.401, 213.451
213.442	Art Studio V	45	P 213.440 or 213.441; R 213.401, 213.461

PLUS one of the following

197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
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OR

213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or PHOS
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OR

237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or PHOS
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Schedule B

213.150	Painting	15	R 213.203
213.151	Contemporary Sculpture	15	R 213.204
213.154	Drawing as Expanded Practice	15	
213.155	Drawing the Body I	15	R 197.101
213.211	Fine Arts Special Topic II	15	P Permission Paper Coordinator
213.254	Contemporary Drawing	15	P 75 credits at 100 level from College of Creative Arts; R 197.201
213.255	Drawing the Body II	15	P 213.155 or 197.101; R 197.200
213.256	Contemporary Art Projects A	15	P 75 credits at 100 level from College of Creative Arts
213.257	Contemporary Art Projects B	15	P 75 credits at 100 level from College of Creative Arts
213.258	Contemporary Art Projects C	15	P 75 credits at 100 level from College of Creative Arts

213.259	Contemporary Art Projects D	15	P 75 credits at 100 level from College of Creative Arts
213.260	Fine Arts Special Topic IIB	30	
213.261	Contemporary Art Projects F	15	P 75 credits at 100 level from College of Creative Arts
213.262	Contemporary Art Projects G	15	P 75 credits at 100 level from College of Creative Arts
213.263	Contemporary Art Projects H	15	P 75 credits at 100 level from College of Creative Arts
213.264	Contemporary Art Projects I	15	P 75 credits at 100 level from College of Creative Arts
213.265	Contemporary Art Projects J	15	P 75 credits at 100 level from College of Creative Arts
213.311	Fine Arts Special Topic III	15	P Permission Paper Coordinator
213.355	Drawing the Body III	15	P 213.255 or 197.200; R 197.301
213.356	Contemporary Art Projects E	15	P 75 credits at 200 level from College of Creative Arts
213.358	Fine Arts Internship	15	P 60 credits at 200 level from College of Creative Arts; R 213.412
213.359	Contemporary Art Projects K	15	P 75 credits at 200 level from College of Creative Arts
213.360	Fine Arts Special Topic III B	30	
213.411	Fine Arts Special Topic IV	15	P Permission Paper Coordinator
213.464	Art in Context	15	P 75 credits at 300 level

Schedule C

Part I 197.131, 197.132, 237.101, 237.102.

Part II 213.251 or (213.241 and 213.242); and (213.252 and 213.253) or (237.230 and one of 197.288 or 237.231).

Part III 213.351 or (213.341 and 213.342); and (213.352 and 213.353) or (237.330 and one of 197.388 or 237.331).

Part IV (213.451 and 213.461) or (213.440 and 213.442); and 213.465.

The Degree of Bachelor of Food Technology with Honours BFoodTech(Hons)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Food Technology with Honours requires that the candidate will:
 - meet the University admission requirements as specified, and have achieved;
 - NCEA Level 3 with 16 credits or more in both of Physics and Mathematics with Calculus, and 14 credits in Chemistry, or achieved at an equivalent level in an assessment alternative to NCEA, or;
 - minimum C passes in either 160.103 Introductory Mathematics or 160.132 Concepts in Mathematics, and in 124.100 Introductory Physics and in 123.103 Introductory Chemistry, or equivalent(s).

Qualification Requirements

- Candidates for the Degree of Bachelor of Food Technology with Honours shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - a First Part, Second Part, Third Part, and Fourth Part;
 - at least four years of study;
 And including:
 - 900 hours of practical work experience;
 - completion of one major;

(e) attending field trips, studios, workshops, tutorials, and laboratories as required.

- Candidates, who in the opinion of the Academic Board, have passed with sufficient merit subjects for the New Zealand Certificate in Science, the National Diploma in Engineering, or an equivalent qualification, may be granted credit, including part or all of the First and Second Parts. The credit granted will be determined by Academic Board after taking into account the areas of study of the certificate and the standard of pass attained.
- Notwithstanding Regulation 2, candidates, who in the opinion of the Academic Board, have achieved the admission requirements for the Degree of Bachelor of Food Technology with Honours to an excellent standard, may be admitted to the programme after the commencement of Part One but no later than the start of Part Two, and may be granted an exemption, including part or all of the First Part. The exemption granted will be determined by Academic Board after taking into account the level of achievement in the subjects passed prior to, and subsequent to, admission. Alternative papers of an equivalent credit value must be substituted for the exempted papers.
- The maximum credit or exemption granted under Regulations 3 and 4 or any other credit recognition process shall be 240 credits.

Specialisations

- Candidates shall complete one of the following majors:
 - Food Product Technology;
 - Food Process Engineering.

The requirements for each major are set out in the Schedule for the Degree of Bachelor of Food Technology with Honours.

Academic Requirements

- Every candidate for the Degree of Bachelor of Food Technology with Honours shall complete to the satisfaction of Academic Board a minimum

of 900 hours of approved practical work and associated reports in accordance with the following papers:

- (a) 228.110 Practicum I;
- (b) 228.210 Practicum II;
- (c) 228.310 Practicum III.

Passes in these papers will be awarded on the basis of practical work completed in accordance with the guidelines governing the practical work requirements.

Student Progression

8. Candidates may progress from Part One to Two, Two to Three, and Three to Four, by passing all papers in the prior part, either by examination or by the award of a combined results pass.
9. Candidates who fail to pass a complete Part in accordance with Regulation 8 shall re-enrol in the remaining unpassed paper(s) at the next available offering(s) of the paper(s).
10. Candidates who are re-taking papers from Part One in accordance with Regulation 9 may not progress to Part Two until all of Part One has been successfully completed.
11. Candidates who are re-taking papers in Parts Two and Three in accordance with Regulation 9 may apply for permission to enrol in papers from the subsequent part, where the nominated papers are from different areas of study to the papers unpassed; permission will only be granted where, in the opinion of Academic Board, the academic record of the candidate shows proven merit.
12. The Degree of Bachelor of Food Technology with Honours may be awarded with First Class Honours or with Second Class Honours (Division I) or with Second Class Honours (Division II), or with Third Class Honours. The class of Honours shall be determined by the candidate's performance in the Second, Third and Fourth Parts of the Degree. The award of Third Class Honours is not available to students completing under transition regulation 18.
13. Candidates who have passed all courses and completed all other requirements for a Bachelor of Food Technology with Honours but whose performance in the courses is deemed by the Academic Board, upon recommendation of the examiners, not to be of Honours standard will be awarded the Degree of Bachelor of Food Technology.

Completion Requirements

14. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
15. Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Bachelor of Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

16. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

17. All candidates commencing study towards the Bachelor of Food Technology with Honours on or after 1 January 2012 must satisfy the requirements specified in these regulations.
18. All candidates who commenced study towards the Bachelor of Food Technology with Honours prior to 1 January 2012, and who have passed at least 15 credits whilst enrolled in these majors, may complete under the regulations in the 2011 Massey University Calendar (or the regulations of the year under which they were first enrolled) until the end of the 2015 academic year.

Schedule for the Degree of Bachelor of Food Technology with Honours

(Albany and Manawatū campuses)

Part One (120 credits)

Compulsory papers:

123.171	Chemistry for Biological Systems 1	15	P 14 credits NCEA Level 3 in Chemistry or equivalent; C 124.171, 228.171, (141.111 or 228.111); R 123.101
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124.171	Physical Principles for Engineering and Technology 1	15	P 16 credits NCEA Level 3 in Physics or equivalent; C (123.171 or 159.171), 228.171, (141.111 or 228.111); R 124.101
141.111	Food Technology 1: Global Perspectives	15	P Restricted to BFoodTech(Hons) only; C 123.171, 124.171, 228.171; R 140.125, 140.150, 228.111, 228.125 and 228.150
228.171	Engineering Mathematics 1A	15	P 16 credits in NCEA Level 3 Mathematics with Calculus or equivalent; C (123.171 or 159.171), 124.171, (228.111 or 141.111); R 160.101, 160.102, 160.161, 160.111
123.172	Chemistry for Biological Systems 2	15	P 123.171 or 123.101; C 124.172, 228.172 and (141.112 or 228.112); R 123.102
124.172	Physical Principles for Engineering and Technology 2	15	P 124.171, (123.171 or 159.171), 228.171, (141.111 or 228.111); C (123.172 or 159.172), 228.172, (141.112 or 228.112); R 124.102
141.112	Food Technology 2: Creative Solutions	15	P 140.125 or 140.150 or 141.111 or 228.111 or 228.125 or 228.150; C 123.172, 228.172, 124.172; R 228.120 and 228.112 and 140.120
228.172	Engineering Mathematics 1B	15	P 228.171, (123.171 or 159.171), 124.171, (228.111 or 141.111); C 124.172, (123.172 or 159.172), (228.112 or 141.112); R 160.112, 160.133

Part Two (120 credits)

Compulsory papers:

123.271	Molecules to Materials	15	P (123.171 or 123.101) and (123.172 or 123.102)
141.211	Food Technology 3: Product Development	15	P 123.172, 124.172, 228.172 and 141.112; C 123.271, 228.271, 280.271; R 228.211, 228.292
228.271	Engineering Mathematics 2	15	P 228.171, 228.172; C (141.211 or 228.211) and two of 123.271, 280.271, 281.281, 282.260, 281.273; R 228.222, 228.223
280.271	Heat and Mass – Conservation and Transfer	15	P 123.172, 124.172 and 228.172
123.201	Chemical Energetics	15	P 123.102 or 123.172
141.212	Food Technology 4: Manufacturing	15	P 123.172, 124.172, 228.172 and (141.112 or 228.112); C 123.201, 280.201 and 280.272; R 228.212
280.201	Industrial Microbiology	15	P 123.171 and 123.172; R 142.201, 141.222, 162.212, 162.214
280.272	Fluid Flow and Particle Technology	15	P 123.172, 124.172 and 228.172

Part Three (120 credits)

Compulsory papers:

141.311	Food Technology 5: Food Microbiology and Safety	15	P 280.201 or 141.222 or 162.212 or 162.214; R 141.393 or 162.305
141.395	Food Chemistry	15	P (123.220 and (122.221 or 122.222)) or (123.172, 123.271 and 123.201); R 141.391, 151.231
228.371	Statistical Modelling for Engineers and Technologists	15	P 228.271; R 228.340
280.371	Process Engineering Operations	15	P (280.271 and 280.272) or ((141.294 and (141.221 or 280.299)) and (141.292 or 280.297)); R 280.391
141.312	Food Technology 6: Food Characterisation	15	P 123.271, 123.201, 141.211, 141.212, 141.311 and 141.395; R 141.330
141.362	Food Formulation Technology	15	P 123.220 or (123.271 and 123.201) and 141.395.
280.372	Reaction Technologies and Process Modelling	15	P ((123.201 and 123.271) or 123.220), [228.271 or 228.222], [(280.271 and 280.272) or (141.294 and (280.299 or 141.221))], [280.201 or 141.222]; R 280.391 and 280.392

Food Product Technology Major

141.458	Nutrition and Food Choice	15	P 141.395, (228.340 or 228.371); R 151.232 and (151.333 or 151.334)
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Food Process Engineering Major

(Manawatū only)

280.304	Bioseparation and Purification Processes	15	P (141.294 and (280.299 or 141.221)) or (280.271 and 280.272); R 142.304
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Part Four (120 credits)

Compulsory papers:

141.710	Food Packaging Engineering and Legislation	15	P (280.271 or (141.294 and (141.221 or 280.299)), (280.371 or 280.391), (280.372 or 280.392); R 228.732 or 228.733 or 228.734 or 228.735 or 228.736
141.723	Industrial Systems Improvement	15	R 141.424, 278.342, 228.479

Food Product Technology Major

141.791	Advanced Food Technology	15	P ((141.311 or 141.393), (141.312 or 141.330), 141.362, 141.395, 141.458, (228.371 or 228.340), (280.371 or 280.391), and (280.372 or 280.392)) or PPD; R 141.491
141.759	Food Technology Project	30	P ((141.393 or 141.311), 141.395, (228.340 or 228.371), (280.391 or 280.371), (141.330 or 141.312), 141.362, 141.458 and (280.392 or 280.372)) or PPD; R 141.459, 228.485, 141.749, 141.449
141.772	Innovative Food Design and Development	30	P (141.311 or 141.393), (141.312 or 141.330), 141.362, 141.395, 141.458, (228.371 or 228.340), (280.371 or 280.391), (280.372 or 280.392); R 141.457, 141.471

An approved elective from:

112.702	International Agri-Food Marketing Strategies	15	
151.718	Advanced Topics in Macronutrient Nutrition	15	P Graduate status and PPD; R 151.701, 151.742
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
280.771	Chemical and Bioprocess Engineering	15	P (140.391 or 280.391), (140.392 or 280.392), 280.371, 280.372; R 142.403, 280.403
280.702	Process Control	15	P (228.222 or 228.271) and (280.371 or 280.391); R 142.402
287.735	Quality Improvement	15	P Graduate status and PPD; R 143.785
287.738	Quality and Production	15	P Graduate status and PPD; R 143.788

Food Process Engineering Major

(Manawatū only)

141.749	Food Engineering Research Project	30	P (141.311 or 141.393), 141.362, 141.395, (228.371 or 228.340), 280.304, [(141.312, 280.371 and 280.372) or (280.391, 280.392 and 280.393)]; R 141.449, 141.459, 141.759
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141.797	Food Engineering Design	30	P (141.311 or 141.393), (141.312 or 280.393), 141.362, 141.395, (228.371 or 228.340), 280.304, (280.371 or 280.391), (280.372 or 280.392); R 141.471, 141.444
280.702	Process Control	15	P (228.222 or 228.271) and (280.371 or 280.391); R 142.402
280.771	Chemical and Bioprocess Engineering	15	P (140.391 or 280.391), (140.392 or 280.392), 280.371, 280.372; R 142.403, 280.403

Bachelor of Food Technology with Honours Food Product Technology Major

(Singapore Campus)

Part One (not available on this campus)

123.171	Chemistry for Biological Systems 1	15
123.172	Chemistry for Biological Systems 2	15
124.171	Physical Principles for Engineering and Technology 1	15
124.172	Physical Principles for Engineering and Technology 2	15
141.111	Food Technology 1 : Global Perspectives	15
141.112	Food Technology 2: Creative Solutions	15
228.171	Engineering Mathematics 1A	15
228.172	Engineering Mathematics 1B	15

Part Two (no longer available on this campus)

123.220	Advanced Chemistry for Technology	15
141.221	Unit Operations for Food Processing I	15
141.292	Food and Packaging Engineering I	15
141.294	Engineering Principles	15

Part Three (no longer available on this campus)

141.362	Food Formulation Technology	15
141.395	Food Chemistry	15
141.458	Nutrition and Food Choice	15

Part Three (2015)

228.340	Industrial Research Techniques	15
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Part Four (2015)

141.424	Technologists and Business	15
141.457	Food Product Development	15
141.459	Food Technology Project	30
141.471	Food Process Design and Safety	15
141.491	Advanced Food Technology	15
287.341	Quality Systems Design	15
	An approved elective	15

The Degree of Bachelor of Food Technology

BFoodTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Candidates who have passed all courses and completed all other requirements for a BFoodTech(Hons) but whose performance in the courses is deemed by the Academic Board, upon recommendation of the examiners, not to be of Honours standard will be awarded a degree of Bachelor of Food Technology.

The Degree of Bachelor of Health Science

BHlthSc

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

- To qualify for the degree candidates are required to gain at least 360 credits.
- No more than 165 credits may be at 100-level.
 - At least 75 credits must be at 300-level.
 - At least 300 credits must be from Schedules A, B, C and D for the BHlthSc.
 - No more than 60 credits may be from papers selected from approved subjects listed under the Regulations for degrees other than the BHlthSc.
 - At least 45 credits must be from Schedule B and at least 90 credits must be from Schedule C.
- Candidates may complete the requirements for the BHlthSc with or without a major.
 - BHlthSc with a major: A major requires a candidate to include at least 150 credits, of which at least 60 credits must be at 300-level, in a particular subject area. The majors and their requirements are specified in Regulation 4. Double majors are not permitted.
 - BHlthSc without a major: A candidate may complete the degree without a major by satisfying all the requirements except Regulation 3(a).
- Major requirements

Human Health and the Environment

214.110, 214.111, 214.215, 214.216, 214.311, 214.312, 214.314, 214.316, 214.317; and at least one paper (15 credits) from 214.211, 214.213, 150.202.

Māori Health

A total of 150 credits, including at least two papers from 150.110, 150.111, 150.210, 150.211; 150.201, 150.202 and 150.216; 150.114 or 150.303; 150.301, 150.302 and at least two of 148.337, 150.311, 179.330.

Note

Students whose language competency qualifies them for direct entry to 150.211 will be exempt from paper 150.210 but will be required to substitute another 150-prefix paper. Students whose language competency qualifies them for direct entry to 150.311 will be exempt from papers 150.210 and 150.211, but will be required to substitute two other 150-prefix papers.

Psychology

175.101; 175.102; 175.203; at least three papers (45 credits) from 175.201, 175.205, 175.206, 175.210; at least four papers (60 credits) from 175.301, 175.302, 175.303, 175.306, 175.309, 175.311, 175.317, 175.318, 175.345.

Rehabilitation

147.101 and 147.102; 147.201, 147.202, 147.203 and at least one paper from 150.202, 175.205, 175.206, 250.233; 147.301 and at least three papers from 128.300, 147.302, 150.302, 175.301, 250.317, 250.333.

Notes:

- Students who intend to include 175.205 or 175.206 in their Rehabilitation major, need to take the prerequisite 175.102 as one of the papers required from Schedule B, of the BHlthSc.
- Students who intend to include 175.301 in their Rehabilitation major, need to take papers 175.102 and 175.203 from Schedule B of the BHlthSc.

Sport and Exercise

214.101, (214.166 or 234.111) (214.170 or 234.121), 214.201, (214.271 or 234.212), (214.274 or 234.226), (234.201 or 234.222), (214.371 or 234.312), (214.372 or 234.316) (30 credits) and one paper (15 credits) from 128.300, 214.373, 234.301, 234.326 or 234.322).

Transfers and Cross-credits

- Candidates who have previously completed 214.001 Introduction to Normal Body Function and/or paper 214.002 Applied Science for Health and Exercise, and who have achieved a grade of A or A+ in the paper(s), may, upon application, be credited with paper 214.101 Human Bioscience: Normal Body Function paper and/or 214.102 Applied Sciences for Health Professionals in the BHlthSc degree, respectively.

Schedules to the Degree of Bachelor of Health Science

Schedule A

Students must complete the three core papers, one communications paper, and a research methods paper (total of 75 credits from Schedule A).

- The following core papers:

250.131	Health Studies	15	R 168.101, 168.131
250.231	Health and Health Inequalities	15	R 168.202, 168.231
250.331	Health of Communities	15	P 250.231 or 168.231; R 168.331

- An approved Communications paper selected from:

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
119.177	Written Communication for Information Sciences	15	R 119.155, 139.107, 139.177, 140.125, 140.150, 140.151, 228.125, 22.150
192.102	Academic Writing in English for Speakers of Other Languages	15	Note
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130

Note

The Communications paper should normally be taken within the first 120 credits of study.

- An approved Research Methods paper selected from:

147.203	Measurement in Rehabilitation	15	P 147.101
150.216	He Huarahi Rangahau: Māori and Research	15	P three 100-level papers including one 100-level Māori Studies paper
175.203	Introduction to Psychological Research	15	P 175.102
176.206	Understanding Social Life	15	P any 100-level Sociology paper
214.212	Research Methods in the Health Sciences	15	P any 100-level BHLthSc Schedule paper

Schedule B

Communication

192.101	English for Academic Purposes for Speakers of Other Languages	15	Note 1
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Development Studies

131.221	Contemporary Development Issues	15	P any 100 level BA paper
131.321	Strategies for Sustainable Development	15	P any 200 level BA paper

Geography

145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
145.222	Rivers and Slopes	15	P 145.121
145.224	Biogeography	15	P any 100-level BA or BSc paper; R 145.324

Health

250.232	Global Health: The Importance of Sustainable Environments	30	P 45 credits at 100-level; C 250.234
250.233	Gender and Health	15	P any 100-level BA paper; R 168.213, 168.233
250.234	Global Health and Global Citizenship	0	
250.317	Disability in Society	15	P any 200-level BA or BHLthSc paper; R 176.317
250.333	Health and Ageing	15	P any 200-level BA paper; R 168.333

History

148.337	Māori Responses to Colonisation	15	P any 200-level BA paper
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Human Development

275.102	Human Development	15	R 209.102, 184.102, 187.102, 208.102, 270.102
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Māori Studies

150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311
150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Māori Language necessary; R 150.210, 150.211, 150.311
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P any 100-level BA paper
150.202	Hauora Tāngata: Māori Health Foundations	15	P any 100-level BA paper
150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311
150.211	Te Reo Whakanakonako: Embellishing the Language	15	P 150.210; R 150.311
150.213	Tikanga-ā-Iwi: Tribal Development	15	P 150.114 or 146.101
150.216	He Huarahi Rangahau: Māori and Research	15	P any three 100-level papers including one 100-level Māori Studies paper
150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
150.302	Planning for Māori Health	15	P 150.202

150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
150.311	Te Papā o te Reo: Māori Language III	15	P 150.211

Psychology

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	
175.201	Social Psychology	15	P any 100-level BA or BHLthSc or BSc paper
175.203	Introduction to Psychological Research	15	P 175.102
175.205	Brain and Behaviour	15	P 175.102
175.206	Memory and Cognition	15	P 175.102
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P any 100-level BA or BHLthSc or BSc paper; R 175.312
175.301	Community Psychology	15	P 175.203
175.302	Abnormal and Therapeutic Psychology	15	P 175.203
175.303	The Practice of Psychological Research	15	P 175.203
175.306	Assessment of Individual Differences	15	P 175.203
175.309	Forensic Psychology	15	P 175.203
175.311	Psychology of Women	15	P 175.203
175.317	Health Psychology	15	P 175.203
175.318	Experimental Psychology	15	P 175.203, 175.205, 175.206, Note 3
175.345	Organisational Psychology	15	P 175.203; R 175.344

Rehabilitation Studies

147.101	Rehabilitation Studies	15	
147.102	Mental Health and Society	15	
147.201	Issues in Rehabilitation	15	P any 100-level BA paper
147.202	Mental Health Policy and Practice	15	P 147.102
147.203	Measurement in Rehabilitation	15	P 147.101
147.301	Community-based Rehabilitation	15	P 147.201
147.302	Alcohol and Drug Use	15	P any 200-level BA paper

Resource and Environmental Planning

132.221	Planning Studies	15	P any 100-level BA or BBS paper
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Sleep and Circadian Science

252.201	Sleep, Circadian Rhythms, and Shift Work	15	P 214.101 or equivalent, as approved by the Programme Director; R 214.217
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Social Anthropology

146.101	Introductory Social Anthropology	15	
146.211	Systems of Healing	15	P any 100-level BA paper
146.311	Medical Systems of China, India and the West	15	P any 200-level BA paper

Social Policy

179.330	Māori Development and the Social Services	15	P any 200-level BA paper
279.101	Social Policy: An Introduction	15	R 179.101
279.201	Social Policy: Concepts and Theories	15	P 279.101 or 179.101 or 200.162 (or 179.102 to 2009); R 179.201
279.301	Government Policy, Planning and Administration	15	P 279.201 or 179.201; R 179.301

Sociology

176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.103	Self and Society	15	
176.206	Understanding Social Life	15	P any 100-level Sociology paper

Notes related to Schedule B

1. Paper 192.101 may not be included as a Schedule A Communication paper in place of 192.102.
2. Students who have passed 175.203 and either 175.205 or 175.206 may be permitted to take the third prerequisite as a co-requisite.

Schedule C

Biochemistry

122.102	Biochemistry of Cells	15	P 123.101, 162.101
122.233	Metabolic Biochemistry	15	P 122.102

Cell Biology

162.101	Biology of Cells	15	Note 1
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Chemistry

123.101	Chemistry and Living Systems	15	R 123.171; Note 2
123.102	Chemistry and the Material World	15	R 123.172; Note 2
123.103	Introductory Chemistry	15	R 119.153, 123.101, 123.102; Note 3

Computer Applications

158.100	Computer Applications and the Information Age	15	
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Environmental Science

121.103	New Zealand Environments	15	P 121.103, 145.111, or 228.111
121.211	New Zealand Environmental Issues	15	P 121.103; Note 4
121.311	Global Environmental Issues	15	P 121.103; Note 4

Epidemiology

202.251	Principles of Epidemiology in Human Populations	15	P any 100-level paper in Science
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Ergonomics

128.300	Ergonomics/Human Factors: Work, Performance, Health and Design	15	P any 200-level paper
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Genetics

203.203	Human Genetics	15	P 162.101; R 162.253
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Human Health and the Environment

214.101	Human Bioscience: Normal Body Function	15	R 194.101, 194.241, 194.242
214.102	Applied Sciences for Health Professionals	15	R 123.101, 123.103
214.110	Human Health and Housing	15	
214.111	Chemistry in the Environment	15	R 123.103
214.201	Human Bioscience: Impaired Body Function	15	P 214.101 and 214.102
214.202	Pharmacology	15	P 214.101 and 214.102
214.211	Environmental Science	15	P any 100-level BHIthSc Schedule paper
214.212	Research Methods in the Health Sciences	15	P any 100-level BHIthSc Schedule paper
214.213	Toxic Substances, Human Health and the Environment	15	P any 100-level BHIthSc Schedule paper
214.214	Microbes and Society	15	P any 100-level BHIthSc Schedule paper
214.215	Food Safety and Human Health	15	P any 100-level BHIthSc Schedule paper
214.216	Environmental and Public Health Law	15	P any 100-level BHIthSc Schedule paper
214.311	Epidemiology and Communicable Diseases	15	P any 200-level BHIthSc Schedule paper
214.312	Environmental Monitoring and Investigative Methods	15	P any 200-level BHIthSc Schedule paper
214.314	Water and Waste Treatment	15	P any 200-level BHIthSc Schedule paper

214.316	Bio-Physical Effects of Noise and Vibration	15	P any 200-level BHIthSc Schedule paper
214.317	Human Health and the Environment	15	P 214.216

Microbiology

162.211	Biology and Genetics of Microorganisms	15	P 162.101; R 162.213, 162.214
162.212	The Microbial World	15	P 162.101, P(D) 162.211 (Note 5) or 162.213
162.283	Medical Microbiology	15	P(D) 162.211
162.303	Immunology	15	P 162.101, plus any 200-level paper; R 162.389

Nutrition

151.231	Food Chemistry for Nutrition	15	P 123.101
151.232	Nutrition and Metabolism	15	P 123.101, 122.102; R 151.344
151.331	Maternal and Child Nutrition	15	P 151.232; R 151.345
151.332	Nutrition for Sport and Performance	15	P 151.232
151.333	Adult Nutrition and Positive Ageing	15	P 151.232
151.334	Nutritional Communication and Promotion	15	P 151.232
214.131	Introduction to Food and Nutrition	15	R 151.344, 151.232, 141.101
214.231	Applied Nutrition Issues	15	P 214.131 or equivalent; R 151.232, 151.345
214.331	Food Choice and Nutrition Promotion	15	P 214.131 and any 200-level Science or Health Science paper (recommend 214.101 and/or 214.201); R 151.334, 151.232
234.225	Nutrition for Sport, Exercise and Health	15	P 214.101 or 194.101; R 151.332, 214.273

Physics

124.101	Physics I(a)	15	R 124.111, 124.171; Note 6
124.102	Physics I(b)	15	R 124.172; Note 6
124.111	Physics for Life Sciences	15	R 124.101, 124.171

Physiology

194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101; Note 7
194.344	Nerves and the Nervous System	15	P 194.241 and one of 194.242, 194.243
194.346	Control of Metabolism	15	P two of 194.241, 194.242, 122.233
194.350	Human Lifecycle Physiology	15	P 194.241 or 194.242

Sport and Exercise

234.110	Introduction to Sports Medicine	15	P 214.170 or 234.121; R 214.169
234.111	Training Principles and Practice	15	R 214.166
234.121	Structural Kinesiology	15	R 214.170
234.212	Exercise Prescription and Therapy	15	P 214.170 or 234.121 plus 214.101 or 214.166 or 234.111; R 214.271
234.213	Fitness Assessment	15	P any 100-level paper; R 214.272
234.222	Sport Biomechanics I	15	P 214.170 or 234.121; R 234.201
234.223	Exercise Physiology	15	P 194.101 or 214.101; R 234.203
234.224	Motor Behaviour	15	P 214.170 or 234.121; R 234.205
234.225	Nutrition for Sport, Exercise and Health	15	P 214.101 or 194.101; R 151.332, 214.273
234.226	Physiological Aspects of Exercise and Health I	15	P 214.101, (214.170 or 234.121); (214.166 or 234.111); R 214.270, 214.272, 214.274, 234.203, 234.213, 234.223, 234.227
234.227	Applied Sport Science	15	P 162.101 or 194.101 or 214.171 or 234.120 or 194.144; R 194.244, 234.202, 214.270
234.312	Advanced Exercise Prescription and Therapy	15	P 214.271 or 234.212 or 234.214; R 214.371

234.316	Exercise Prescription Practicum	30	P (214.271 or 234.212 or 234.214) and (214.272 or 234.213) or (214.274 or 234.226); C 214.371 or 234.312 or Permission of Programme Director; R 214.372
234.322	Sport Biomechanics II	15	P 234.201 or 234.222; R 194.351, 234.301
234.326	Physiological Aspects of Exercise and Health II	15	P 214.274 or 234.226; R 214.373
234.327	Investigating Sports Performance	15	P Any 60 credits at 200-level from the 234.2xx range of papers; C Any 30 credits at 300-level from the 234.3xx range of papers; R 234.338 (or 152.376), 234.316, 234.302

Statistics

161.120	Introductory Statistics	15	R 115.101, 161.100, 161.110, 161.130, 195.101; Note 8
161.130	Introductory Biostatistics	15	R 115.101, 161.100, 161.110, 161.120, 195.101; Note 8

Notes related to Schedule C

- Students will be assumed to have studied at least 20 credits from NCEA Level 3 Biology and achieved at least 14, or passed Bursary Biology or 162.103 or an acceptable alternative.
- Students must normally have studied at least 20 credits from NCEA Level 3 Chemistry and achieved at least 14, or have achieved an equivalently acceptable level in an alternative assessment system to NCEA, or passed Bursary Chemistry or 123.103 or an acceptable alternative.
- 123.103 may not be taken after 123.101 or 123.102 have been passed.
- Alternative prerequisites may be approved by the Programme Director.
- Students will be assumed to have studied at least 20 credits from NCEA Level 3 Physics and achieved at least 14, or passed Bursary Physics or 124.100 or an acceptable alternative.
- Students are strongly advised to take 194.241 before 194.242 or 194.243.
- A school mathematics background of Year 12 (NCEA Level 2) is recommended for 100-level Statistics papers.
- Students wishing to take Physiology or Nutrition papers as choices within the major must complete the prerequisites for these papers at an

appropriate time. Students considering these options should take both 122.102 and 123.101, and also 151.232 or 194.242.

Schedule D

Business Law

155.306	Health Care Law	15	P any two 200-level papers
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Human Development

253.250	Counselling Principles and Practice	15	P any 100-level paper in Education or Social Sciences; R 209.250
253.255	Cultural Issues in Counselling	15	P any 100-level paper in Education or Social Sciences; R 209.255
253.355	Professional Issues in Counselling	15	P 253.250 or 253.255 or 209.250 or 209.255; R 209.355
275.202	Development Through Relationships	15	P 275.102 or 209.102; R 209.202, 209.309

Human Resource Management

114.271	Occupational Safety and Health I	15	P any 100-level paper
114.272	Occupational Safety and Health II	15	P any 100-level paper
114.372	Occupational Hygiene	15	P 114.271 and 114.272

Management

234.315	Fitness and Athletic Conditioning	15	P (152.216 or 234.237) or (214.166 or 234.111 and any 200-level paper); R 152.319
234.331	Sport in the Social Context	15	P any three 200-level papers; R 152.210, 152.313

Transition Arrangements

- These regulations take effect from 1 January 2010.
 - Students who passed at least 30 credits towards the Bachelor of Health Science under the 2009 or earlier regulations may complete under those regulations until the end of the 2014 academic year.
 - Students who have passed at least 30 credits towards the Bachelor of Health Science prior to 2010 may choose to transfer to these regulations, but must then meet all of the requirements specified herein.

The Degree of Bachelor of Information Sciences

BlnfSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Information Sciences requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Information Sciences shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 165 credits at 100-level;
 - At least 75 credits at 300-level.

- And including:
- a minimum of 15 credits in Computer Science (prefix 159), 15 credits in Information Technology (prefix 158), 15 credits in Mathematics (prefix 160) or an approved paper with sufficient mathematical content, and 15 credits in Statistics (prefix 161) or an approved paper with sufficient statistical content;

- at least one major or joint major;
 - a paper in written communication as per Schedule B for the Qualification;
 - attending field trips, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 2(e) candidates whose prior education was not in English may take 192.102 Academic Writing for Speakers of Other Languages instead of 119.177.

Specialisations

- Candidates may complete a major by fulfilling the requirements for a major or joint major as set out in Schedule A for the Qualification.
- Majors available are: Computer Science, Information Technology and Information Systems.
- Joint Majors available are: Software Engineering.
- Candidates may complete a double major by meeting the requirements of both majors, including at least 195 credits above 100-level, of which at least 105 credits must be at 300-level, from the combined set of majoring requirements for the two majors. It is not possible to include a joint major within a double major.
- Candidates may include one or two minors in the qualification:
 - A minor must include a minimum of 45 credits above 100 level in a subject.
 - The minor(s) must be in a different subject area from the major(s).

- (c) Minors may be included from any undergraduate degree within the University for which recognised minors are specified.
- (d) Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
- (e) No paper above 100-level may be credited to both a major and a minor.
9. Minors available within the Degree of Bachelor of Information Sciences are: Computer Science, Information Technology and Information Systems; the requirements for which are specified in Schedule A for the Qualification.

Completion Requirements

10. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates will apply.
11. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Certificate in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

12. The general Unsatisfactory Academic Progress regulations will apply.

Schedules for the Qualification

Schedule A: Specialisations

Computer Science Major (150 credits)

Compulsory papers (30 credits):

Option One – at least 30 credits from:

159.101	Programming Fundamentals	15	
159.102	Computer Science Fundamentals	15	P 159.101; R 159.172
159.103	Introduction to Games Programming and Simulation	15	P 159.101

Option Two:

159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102

Specialisation papers (120 credits):

60 credits from:

159.201	Algorithms and Data Structures	15	P 159.101, 159.102; R 159.211, 159.271
159.202	Declarative Programming	15	P 159.101, 159.102; R 159.211, 159.272
159.233	Computer Architecture	15	P 159.101, 159.102; R 159.253
159.234	Object-Oriented Programming	15	P 159.101 and 159.102; R 159.270
159.235	Graphical Programming	15	P 159.101, 159.102
159.240	Programming for the Computational Sciences	15	P 159.101 and 159.102 and 160.1xx
159.251	Software Engineering Design and Construction	15	P (159.101 and 159.102) or 159.272; R 159.351
159.253	Computer Systems	15	P 159.1x1, 159.1x2; R 159.233
159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234
159.271	Computational Thinking for Problem Solving	15	P 159.1x1, 159.1x2; R 159.201
159.272	Programming Paradigms	15	P 159.1x1, 159.1x2; R 159.202, 159.234

60 credits from:

158.360	Computer Graphics and User Experience Design	15	P 159.2xx or 158.2xx; 160.1xx
159.302	Artificial Intelligence	15	P 159.201 or 159.202 or 159.211; R 159.318
159.331	Algorithms and Languages	15	P 159.201, 159.202; R 159.311
159.333	Individual Programming Project	15	P 159.201(B) and 159.234(B); R 159.381 and 159.382
159.334	Computer Networks	15	P 159.201 or 159.234; R 159.354

159.335	Concurrent Programming and Operating Systems	15	P 159.201; R 159.355
159.339	Internet Programming	15	P 159.201 or 159.234; R 159.359
159.351	Software Engineering B	15	P 159.201, 159.254
159.352	Web Application Development	15	P 159.1xx and one of 158.258, 158.252, 159.334; R 159.339, 159.359
159.354	Data Communication Networks	15	P 159.270 or 159.271; R 159.334, 281.375
159.355	Concurrent Systems	15	P 159.201 or 159.272; R 159.335
159.356	Software Engineering Capstone Project	15	P 159.352
159.360	Programming for Computer Graphics	15	P (159.270 or 159.271 or 159.272) and 160.1xx; R 159.235, 158.360
159.372	Intelligent Machines	15	P 159.271 or 159.272; R 159.302
159.381	Programming Project – Design	15	P 159.201(B) and 159.234(B); R 159.333
159.382	Programming Project – Implementation	15	P 159.381; R 159.333

Computer Science Minor

(159.101 and 159.102) or (159.171 and 159.172); at least 45 credits from papers numbered 159.2xx and 159.3xx from the schedule for the major above, including at least 15 credits from papers numbered 159.3xx.

Information Systems Major (150 credits)

Compulsory papers (60 credits):

157.240	Social Media Networks for Business	15	P Any 15 credits
157.241	Information Systems, Organisations and e-Commerce	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx; R 157.242
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx
157.341	Strategic Management for Information Systems	15	P 157.2xx or 158.2xx or 159.2xx; R 157.301, 157.373

Specialisation papers (90 credits):

30 credits from:

115.107	Management Information Systems	15	R 157.100
158.100	Computer Applications and the Information Age	15	
158.120	Fundamentals of Information Technology	15	

30 credits from:

152.230	Entrepreneurship	15	P Any 100-level paper
152.252	Project Management	15	P Any 100-level paper
152.261	International Business	15	P Any 100-level paper
158.225	Systems Analysis and Modelling	15	P 158.1xx or 159.1xx or 115.107; R 158.254

30 credits from:

152.304	Managing Services	15	P Any two papers at 200 level
152.330	Enterprise Development	15	P Any two papers at 200 level
152.350	Strategic Management and Governance	15	P Any 200-level Management paper; R 152.341 and 152.365
158.337	Database Development	15	P 157.2xx or 158.2xx or 159.2xx; R 157.331, 157.337

Information Systems Minor

115.107 or 158.1xx or 159.1xx; at least 45 credits from papers numbered 157.2xx and 157.3xx from the schedule for the major, including at least 15 credits from papers numbered 157.3xx.

Information Technology Major (150 credits)

Compulsory papers (30 credits):

158.100	Computer Applications and the Information Age	15	
158.120	Fundamentals of Information Technology	15	

Specialisation papers (120 credits):

60 credits from:

157.241	Information Systems, Organisations and E-Commerce	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx; R 157.242
158.212	Application Software Development	15	P 158.1xx or 159.1xx;
158.225	Systems Analysis and Modelling	15	P 115.107 or 158.1xx or 159.1xx; R 158.254
158.235	Networks, Security and Privacy	15	P 115.107 or 158.1xx or 159.1xx
158.244	System Management and Testing	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx
158.258	Web Development	15	P 115.107 or 158.1xx or 159.1xx; R 158.252

60 credits from:

157.341	Strategic Management for Information Systems	15	P 157.2xx or 158.2xx or 159.2xx; R 157.301, 157.373
158.326	Software Architecture	15	P ((158.212 or 158.258 or 159.234) and 158.225) or 159.270
158.337	Database Development	15	P 157.2xx or 158.2xx or 159.2xx; R 157.331, 157.337
158.344	Emerging Issues in Information Technology	15	P 157.2xx or 158.2xx or 159.2xx; R 157.344
158.345	Social and Professional Issues in Information Technology	15	P 157.2xx or 158.2xx or 159.2xx
158.359	User Experience Design	15	P 159.271 or 159.234 or (158.225 and 159.101) or (158.254 and 159.171); R 158.360
158.360	Computer Graphics and User Experience Design	15	P 158.2xx or 159.2xx, 160.1xx
158.368	Multimedia Development	15	P (159.1xx and 159.2xx) or 157.212 or 158.212; R 157.261, 157.368, 158.261

Information Technology Minor

60 credits selected from the papers for the major with at least 45 credits from papers numbered 158.2xx and 158.3xx from the schedule for the major above, including at least 15 credits from papers numbered 158.3xx.

Software Engineering Joint Major (225 credits)

Compulsory papers (15 credits):

158.100	Computer Applications and the Information Age	15	
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Compulsory papers (30 credits):

Option One (30 credits)

158.329	Software Engineering Project	30	P Permission of the Major Leader (Albany) is required; R 157.329
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Option Two (30 credits)

159.352	Web Application Development	15	P 159.1xx and one of 158.258, 158.252, 159.334; R 159.339, 159.359
159.356	Software Engineering Capstone Project	15	P 159.352

Option Three (30 credits)

159.381	Programming Project – Design	15	P 159.201(B) and 159.234(B); R 159.333
159.382	Programming Project – Implementation	15	P 159.381; R 159.333

Specialisation papers (180 credits):

15 credits from:

159.101	Programming Fundamentals	15	
159.171	Computational Thinking and Software Development	15	

15 credits from:

159.102	Computer Science Fundamentals	15	P 159.101; R 159.172
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102

45 credits from:

158.212	Application Software Development	15	P 158.1xx or 159.1xx
158.225	Systems Analysis and Modelling	15	P 115.107 or 158.1xx or 159.1xx; R 158.254
158.235	Networks, Security and Privacy	15	P 115.107 or 158.1xx or 159.1xx
158.244	System Management and Testing	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx
158.258	Web Development	15	P 115.107 or 158.1xx or 159.1xx; R 158.252

45 credits from

159.201	Algorithms and Data Structures	15	P159.101, 159.102; R 159.211, 159.271
159.202	Declarative Programming	15	P 159.101, 159.102; R 159.211, 159.272
159.234	Object-Oriented Programming	15	P 159.101 and 159.102; R 159.270
159.235	Graphical Programming	15	P 159.101, 159.102
159.251	Software Engineering Design and Construction	15	P (159.101 and 159.102) or 159.272; R 159.351
159.271	Computational Thinking for Problem Solving	15	P 159.1x1, 159.1x2; R 159.201
159.272	Programming Paradigms	15	P 159.1x1, 159.1x2; R 159.202, 159.234

30 credits from

158.326	Software Architecture	15	P ((158.212 or 158.258 or 159.234) and 158.225) or 159.270
158.337	Database Development	15	P 157.2xx or 158.2xx or 159.2xx; R 157.331, 157.337
158.345	Social and Professional Issues in Information Technology	15	P 157.2xx or 158.2xx or 159.2xx
158.359	User Experience Design	15	P 159.271 or 159.234 or (158.225 and 159.101) or (158.254 and 159.171); R 158.360
158.360	Computer Graphics and User Experience Design	15	P 159.2xx or 158.2xx; 160.1xx

30 credits from

159.302	Artificial Intelligence	15	P 159.201 or 159.202 or 159.211; R 159.318
159.331	Algorithms and Languages	15	P 159.201, 159.202; R 159.311
159.334	Computer Networks	15	P 159.201 or 159.234; R 159.354
159.335	Concurrent Programming and Operating Systems	15	P 159.201; R 159.355
159.339	Internet Programming	15	P 159.201 or 159.234; R 159.359
159.352	Web Application Development	15	P 159.1xx and one of 158.258, 158.252, 159.334; R 159.339, 159.359
159.354	Data Communication Networks	15	P 159.270 or 159.271; R 159.334, 281.375
159.355	Concurrent Systems	15	P 159.201 or 159.272; R 159.335
159.360	Programming for Computer Graphics	15	P (159.270 or 159.271 or 159.272) and 160.1xx; R 159.235, 158.360
159.372	Intelligent Machines	15	P 159.271 or 159.272; R 159.302

Schedule B: Communication Papers

119.177	Written Communication for Information Sciences	15	R 119.155, 139.107, 139.177, 140.125, 140.150, 140.151, 228.125, 228.150
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The Degree of Bachelor of Māori Visual Arts

BMVA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to Part I of the Bachelor of Māori Visual Arts will conform to the normal requirements and procedures of the University and will be based partly on the assessment of a portfolio of work submitted by the candidate.

Course of Study

2. The Bachelor of Māori Visual Arts degree consists of four parts, each containing 120 credits.
3. The degree of Bachelor of Māori Visual Arts may be awarded with or without Honours. A candidate who has fulfilled the requirements prescribed in the Regulations and whose work has been of a sufficiently high standard may be recommended by the Academic Board for admission to the degree with First or Second Class Honours. Candidates awarded Second Class Honours shall be listed in Division I or Division II.
4. The following Schedule sets out parts, paper numbers and credit values applying to papers offered for the degree of Bachelor of Māori Visual Arts.

Schedule to the Degree of Bachelor of Māori Visual Arts

Part I

(at least 120 credits required)

Compulsory:

150.106	Ngā Hanga Whakairo: Traditional Māori Visual Art	15	
150.107	Mata Puare: Studio IA	30	
150.108	Mata Puare: Studio IB	45	

plus either

150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311
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or

150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Maori language necessary; R 150.210, 150.211, 150.311
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Electives:

Any one of the following papers or another paper approved by the Head of School.

146.101	Introductory Social Anthropology	15	
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
154.101	Introduction to Media Studies	15	

Part II

(at least 120 credits required)

Compulsory:

150.206	Ngā Momo Whakairo: Contemporary Māori Visual Art	15	P 150.106
150.207	Mata Oho: Studio IIA	30	P 150.107
150.208	Mata Oho: Studio IIB	45	P 150.108

plus either

150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Maori language necessary; R 150.210, 150.211, 150.311
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or

150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311
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Electives:

Any one of the following papers or another paper approved by the Head of School:

146.206	Visual Ethnography	15	P Any 100-level BA paper
148.204	The New Zealand Land Wars	15	P Any 100-level BA paper
150.213	Tikanga-ā-Iwi: Tribal Development	15	P 150.114 or 146.101
150.216	He Huarahi Rangahau: Māori and Research	15	P Three papers at 100-level including one paper from Māori Studies
154.201	Television Studies	15	P Any 100-level BA paper
154.222	The Art of the Film	15	P Any 100-level BA paper
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203

Part III

(at least 120 credits required)

Compulsory:

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.307	Mata: Studio IIIA	30	P 150.207
150.308	Mata: Studio IIIB	60	P 150.208

plus

150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311; Note
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Note

If 150.210 has already been passed, a paper approved by the Head of School.

Part IV

(120 credits required)

Compulsory:

150.407	Matatau: Studio IVA	60	P 150.307
150.408	Matatau: Studio IVB	60	P 150.308

The Degree of Bachelor of Medical Laboratory Science

BMLSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

The Bachelor of Medical Laboratory Science consists of two parts, being a pre-selection phase followed by the professional phase.

1. Admission to the Pre-selection Phase of the Bachelor of Medical Laboratory Science requires that the candidate will meet the University admission requirements as specified.
2. Entry to the Professional Phase is by selection in accordance with criteria established by the Medical Laboratory Science Examinations Sub-Committee, which will include consideration of Grade (Point) Average across the best 7 papers for the pre-selection phase.
3. Candidates must make application to be considered for selection.

Qualification Requirements

4. Candidates for the Degree of Bachelor of Medical Laboratory Science shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - (a) a first part, second part, third part, and fourth part; the papers for each part are prescribed in the Schedule to the Degree;

And including

- (b) attending tutorials, laboratories, and practica as required;
- (c) successful completion of two placements.

Specialisations

5. The Bachelor of Medical Laboratory Science is awarded without specialisations.

Academic Requirements

6. Every candidate for the Degree of Bachelor of Medical Laboratory Science shall perform to the satisfaction of the Academic Board, approved practical work of 900 hours over 2 placements of 15 weeks duration in approved Medical Laboratories, in accordance with the requirements of the following papers:

- (a) 202.471 Advanced Haematology;
- (b) 202.472 Advanced Transfusion Science;
- (c) 202.473 Advanced Histological Technique;
- (d) 202.476 Human Cytogenetics;
- (e) 202.477 Immunology and Virology;
- (f) 202.478 Advanced Clinical Biochemistry;
- (g) 202.479 Diagnostic Medical Microbiology.

Placements will be allocated in consideration of subject preference, availability, Grade (Point) Average, and may include an interview and selection.

A pass in each paper is conditional upon satisfactory completion of practical work in accordance with the conditions approved by the Medical Laboratory Science Programme Committee.

7. No more than 45 credits of Restricted (R) passes may be credited to the Qualification across the 100-, 200-, or 300- level papers.
8. No Restricted (R) passes may be credited to the Qualification at 400-level.

Student Progression

9. The Academic Board may, under such conditions as it may determine and taking into account the recommendations of the examiners, permit a candidate to progress from Part One to Two, Two to Three, and Three to Four through the award of a Combined Results Pass.

10. The Academic Board may, under such conditions as it may determine and taking into account the recommendations of the examiners, admit any candidate to a supplementary examination in a paper or papers from the Third Part in which the candidate failed to gain a pass.
11. Candidates may not proceed to Part Four until all prior Parts have been successfully completed.
12. In cases of sufficient academic merit over the Third and Fourth Parts, the Bachelor of Medical Laboratory Science may be awarded with distinction.

Completion Requirements

13. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates will apply.
14. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Bachelor of Science (Biological Sciences) should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

15. For candidates enrolled in the Degree of Bachelor of Medical Laboratory Science, the following will lead to exclusion from the qualification:
 - (a) failure to obtain a pass in a compulsory 200- or 300- level paper in which they have been enrolled on two occasions;
 - (b) failure of the practical work component in one or more of the 400-level papers.
16. Persons excluded under clause 15(b) will only be re-admitted to the Bachelor of Medical Laboratory Science with approval of Academic Board under such conditions as it may determine.

Schedule for the Qualification

Pre-Selection Phase

Part One (120 credits)

List A

Compulsory:

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
162.101	Biology of Cells	15	
194.101	Essentials of Mammalian Biology	15	

List B

Highly Recommended:

123.102	Chemistry and the Material World	15	R 123.172
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List C

Electives:

124.111	Physics for Life Sciences	15	R 124.101, 124.171
158.100	Computer Applications and the Information Age	15	R 157.1XX, 159.110
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background; R 160.101, 160.102, 160.161, 228.171

160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
199.101	Biology of Animals	15	

any other paper offered by the University

Professional Phase

Part Two (120 credits)

122.231	Genes and Gene Expression	15	P 123.101, 162.101
122.233	Metabolic Biochemistry	15	P 122.102
162.211	Biology and Genetics of Microorganisms	15	P 162.101; R 162.213, 162.214
162.283	Medical Microbiology	15	P 162.211
194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101
202.251	Principles of Epidemiology in Human Populations	15	P any 100-level BMLSc or BSc paper

202.281	Pathology, Parasitology and Medical Laboratory Practice	15	P 122.102, 162.211
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Part Three (120 credits)

122.382	Clinical Biochemistry	15	P 122.233
162.384	Advanced Medical Microbiology	15	P 122.102, 162.211, 162.283; C 162.389; R 162.301
162.389	Immunology	15	P 162.101; R 162.303
202.371	Human Genetic and Molecular and Clinical Diagnoses	15	P 122.382, 162.384, 162.389, 203.300; C 202.372, 202.381, 202.382; R 203.203, 202.385
202.372	Histological Technique and Medical Cytology	15	P 194.241, 194.242; R 202.385, 202.384
202.381	Haematology	15	P 162.101, 202.281
202.382	Transfusion Science	15	P 162.389
203.300	DNA Technology	15	P 122.231; R 203.340

Part Four (120 credits)

202.471	Advanced Haematology	60	P 202.381
202.472	Advanced Transfusion Science	60	P 202.382
202.473	Advanced Histological Technique	60	P 202.372
202.476	Human Cytogenetics	60	P 202.371
202.477	Immunology and Virology	60	P 162.384, 162.389
202.478	Advanced Clinical Biochemistry	60	P 122.382, 162.389
202.479	Diagnostic Medical Microbiology	60	P 162.384

The Degree of Bachelor of Natural Sciences BNatSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas, and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Natural Sciences requires that the candidate will have:
 - met the University admission requirements as specified; and
 - have achieved at least 16 credits in each of two of NCEA Level 3 Biology, Chemistry, Physics, Mathematics with Calculus, or;
 - have achieved a minimum B grade at A level in two of Biology, Chemistry, Physics, Mathematics in the University of Cambridge International Examinations; or
 - have achieved at least 29 points including 5 points in each of two of Biology, Chemistry, Physics, Mathematics in the International Baccalaureate; or
 - passed with a minimum C grade two of 162.103 Introductory Biology, or 123.103 Introductory Chemistry, or 124.100 Introductory Physics; or
 - have achieved to an equivalent level as in Regulations 1 b) to e) in an alternative examination; or
 - have achieved 16 credits at Merit or Excellence in each of 5 subjects in NCEA Level 3; or
 - have achieved a B grade average across previous University study.

Qualification Requirements

- Candidates for the Degree of Bachelor of Natural Sciences shall follow a parts based course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - completion of Parts One, Two, and Three;
 - not more than 165 credits at 100- level;
 - at least 75 credits at 300- level.
 And including:

- the papers listed in the Schedule for the Qualification;
- at least 90 credits from Section A to the Bachelor of Science;
- up to 75 credits from any subject area offered by the University;
- attending field trips, workshops, tutorials, and laboratories as required.

Specialisations

- The Degree of Bachelor of Natural Sciences is awarded without specialisations.

Student Progression

- Candidates must complete the requirements of Part One prior to progressing to Part Two.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas, and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification, and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part One (120 credits)

Compulsory papers (45 credits):

123.101	Chemistry and Living Systems	15	R 123.171
246.101	Science and Sustainability	15	PPD
246.102	Core Skills for Natural Scientists	15	PPD

15 credits from:

120.101	Biology of Plants	15
162.101	Biology of Cells	15
199.101	Biology of Animals	15

15 credits from:

124.101	Physics I(a)	15	R 124.111, 124.171
124.111	Physics for Life Sciences	15	R 124.101, 124.171

15 credits at any level from Section A to the Degree of Bachelor of Science.

30 credits from any approved papers from any subject area in the University.

Part Two (120 credits)

Compulsory papers (45 credits):

152.252	Project Management	15	P Any 100-level paper
246.201	Systems and Models in the Natural Sciences	30	

15 credits from:

160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172

160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101

30 credits at any level from Section A to the Degree of Bachelor of Science.

30 credits from any approved papers from any subject area in the University.

Part Three (120 credits)

Compulsory papers (60 credits):

134.308	Philosophy of Science	15	P Any two 200-level BA or BSc papers
246.301	Special Topic in Natural Sciences	15	P 246.201
246.302	Research Themes in Natural Sciences	30	P 246.201

45 credits at any level from Section A to the Degree of Bachelor of Science.

15 credits from any approved papers from any subject area in the University.

The Degree of Bachelor of Nursing BN

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. In addition to the normal university entrance requirements, entry is based on the following pre-selection criteria:
 - (a) Candidates must meet the requirements set down by the Nursing Council of New Zealand for registration as a nurse in New Zealand in terms of good character and fitness to be a nurse.
 - (b) Candidates from countries where English is not the first language, or those where the language of instruction in secondary school education is not in English, are required to provide satisfactory evidence of their proficiency in English, in the form of an overall academic score of at least 6.5 in an IELTS assessment (or equivalent) with no band score less than 6.5.
 - (c) 14 credits or more at NCEA level 3 in Biology. Supporting credits including Chemistry, Physics, Statistics and Modelling, English, History and Geography will be taken into consideration. Applicants who do not meet this criterion will be considered on a case-by-case basis and may be required to pass specific papers to gain the required background prior to commencing the degree.
 - (d) A current First Aid Certificate (NZQA 6400, 6401 and 6402) and Health Clearance requirement.
 - (e) Candidates may be required to attend a selection interview.

Note: While the University will endeavour to meet the general terms and requirements of the Nursing Council of New Zealand in good faith, the final decision for registration is at the discretion of the Nursing Council.

Course of Study

2. Candidates for the Bachelor of Nursing shall follow a course of study for normally not less than three years and not more than five years (extension to six years requires prior approval by Nursing Council of New Zealand) and pass the papers and practical work specified in the Schedule to these Regulations including a minimum of 1100 hours of approved supervised practice. Students will be expected to attend practice laboratories and clinical practice as compulsory components of the degree.

3. No candidate will be given more than two opportunities to pass each Praxis paper, including 168.121 and 168.123.
4. For persons enrolled in the Bachelor of Nursing, the following will lead to exclusion:
 - (a) failure to obtain a pass in a compulsory 168-prefix paper for which they have been enrolled for two occasions or a compulsory 214-prefix paper for which they have been enrolled for three occasions;
 - (b) failure to pass papers totalling at least 75 academic credits or failure to pass at least 60% of an approved part-time course of study in any academic year;
 - (c) failure to complete the degree within five years from the date of first enrolment.
 - (d) Students excluded under (a), (b) or (c) above will only be re-admitted to the Bachelor of Nursing course with the approval of the Academic Board (or its delegate).
5. Normally students will not be permitted to enrol in Part II nursing papers (prefix 168.2xx) prior to completing all of Part I of the programme, or in Part III nursing papers (prefix 168.3xx) prior to completing all of Part II.
6.
 - (a) A candidate may be credited with restricted passes in papers totalling up to 45 credits, except in papers with the prefix of 168.xxx and papers 214.101 and 214.102.
 - (b) Exemptions of one or more prescribed papers may be granted on the basis of prior learning by the candidate before admission to the degree course.
 - (c) Credit for papers listed in Parts I, II and III of the Bachelor of Nursing degree that have been passed for credit to other degrees or approved qualifications may be granted subject to approval by the Academic Board of the University.
7. Massey University may cancel or refuse to permit the registration of a student in the Bachelor of Nursing programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the Nursing Council of New Zealand for registration as a nurse in New Zealand in terms of good character and fitness to be a nurse.
 - (a) Should a student in the Bachelor of Nursing programme be convicted of an offence against the law after entry into the programme, the student must advise the Pro Vice-Chancellor of the College of Humanities and Social Science of the conviction within seven days.
 - (b) If the Pro Vice-Chancellor is of the opinion that any student does not meet in general terms the requirements set down by the Nursing

Council for registration as a nurse in New Zealand in terms of good character and fitness to be a nurse, the Pro Vice-Chancellor will refer the matter to the University Disciplinary Committee under Section 1(d) General Disciplinary Powers of the Disciplinary Regulations.

Schedule to the Degree of Bachelor of Nursing

Part I

(120 credits)

All of the following papers:

168.121	Introduction to Nursing and Praxis	15	
168.123	Assessment and Clinical Decision-making I	15	
168.124	Nursing in Health and Wellness Across the Lifespan	15	
168.125	Research Methods and Academic Writing in Nursing	15	
214.101	Human Bioscience: Normal Body Function	15	R 194.101, 194.241, 194.242
214.102	Applied Sciences for Health Professionals	15	R 123.101, 123.103
275.102	Human Development	15	R 209.102

One of the following papers:

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	
176.101	The Sociological Imagination	15	
176.103	Self and Society	15	

Part II

(120 credits)

All of the following papers:

150.202	Hauora Tāngata: Māori Health Foundations	15	P any 100-level BA paper
168.242	Nursing in Long-term Adaptation for Healthy Living	15	P 168.121, 168.123, 168.124 and 168.125; C 214.201
168.243	Praxis II	15	C/L 168.242
168.244	Promoting Health with Individuals, Families and Communities	15	P 168.121, 168.123, 168.124 and 168.125
168.245	Praxis III	15	C/L 168.244
168.246	Professional Development in Nursing	15	P 168.121, 168.123, 168.124 and 168.125
214.201	Human Bioscience: Impaired Body Function	15	P 214.101 and 214.102
214.202	Pharmacology	15	P 214.101 and 214.102

Part III

(120 credits)

All of the following papers:

168.310	Research for Clinical Practice	15	P any 200-level paper
168.312	Issues in Clinical Practice	15	P 168.246
168.341	Nursing in Acute Illness and Trauma	15	P 168.243, 168.245; C 168.342
168.342	Praxis IV	30	C/L 168.341
168.343	Professional Practice	30	P 168.341, 168.342
168.344	Assessment and Clinical Decision-making II	15	C 168.343

The Degree of Bachelor of Philosophy BPhil

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

- Admission to the course for the Degree of Bachelor of Philosophy shall be at the discretion of the Academic Board.
- Before enrolment for the degree candidates shall have:
 - completed the prerequisites set out in Regulation 5 or have been granted admission with equivalent status as entitled to proceed to the degree;
 - satisfied the Academic Board that they have attained a standard of knowledge that will enable them to undertake the course.

Course of Study

- The candidates shall follow a course of full-time study in a special branch of one of the subjects listed in Regulation 5 for at least one academic year.
- There shall be a written examination, and the candidates may also be required to present themselves for a practical and an oral examination;

they shall also be required to submit a thesis, which shall embody the results obtained by the candidates in an original investigation in some branch of the chosen subject. The thesis requirements shall be determined by the Academic Board.

- The subjects of the examination, one of which must be offered by the candidate, and the prerequisites, are:

(a) Veterinary Science

Anatomy	Third Examination BVSc
Animal Science	Third Examination BVSc
Physiology	Third Examination BVSc
Veterinary Ethology	Third Examination BVSc
Clinical Biochemistry	Fourth Examination BVSc
Pharmacology	Fourth Examination BVSc
Microbiology	Fourth Examination BVSc
Parasitology	Fourth Examination BVSc
Pathology	Fourth Examination BVSc.

(b) Engineering and Technology

For all Engineering and Technology subjects, candidates must have completed the Third Part in the appropriate major. Refer to BE (Hons) and BFoodTech (Hons) regulations for list of subjects available.

The Degree of Bachelor of Resource and Environmental Planning BRP

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations

for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Resource and Environmental Planning requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Resource and Environmental Planning shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - completion of 120 credits in each of Parts I, II, III, and IV.
 And including:
 - the compulsory papers from Schedule A for the Qualification;
 - at least one minor;
 - a minimum of 15 credits from Schedule C of the Degree;
 - elective papers to a maximum of 15 credits from papers offered for other Bachelor degrees;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Papers with significant overlap of content will not be approved for inclusion in the Degree; paper 132.221 Planning Studies cannot be credited to the Degree of Bachelor of Resource and Environmental Planning.

Specialisations

- Candidates shall complete a minor by passing at least 120 credits in a minor including 90 credits above 100-level of which at least 45 credits must be above 200-level. The requirements for each minor are set out in Schedule B for the Qualification.
- Minors are available in: Agriculture, Ecology, Economics, Geography, Management, Māori Studies, Property Management, Soil/ Earth Science.

Student Progression

- Candidates shall not enrol in Part II unless they have passed all of their Part I requirements (120 credits) within two years of their enrolment into the Degree of Bachelor of Resource and Environmental Planning.
- Candidates must complete the Schedule A requirements for Part II prior to progressing to Part III, and for Part III prior to progressing to Part IV.
- The Degree of Bachelor of Resource and Environmental Planning may be awarded with or without a class of Honours.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification, and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an alternative qualification should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transition Provisions

- All candidates commencing study towards the Degree of Bachelor of Resource and Environmental Planning on or after 1 January 2014 must satisfy the requirements specified in these regulations.
- All candidates who commenced study towards the Degree of Bachelor of Resource and Environmental Planning prior to 1 January 2014, and who have passed at least 120 credits, may complete under the regulations in the 2013 Massey University Calendar until the end of the 2017 academic year, unless they choose to transfer to the 2014 regulations.
- In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedule to the Degree of Bachelor of Resource and Environmental Planning

Schedule A: Compulsory Planning Papers

Part I

132.101	Introduction to Professional Planning	15	
132.106	Introduction to Geographic Information Systems	15	
132.111	Planning and the Environment	15	
132.112	Planning for Sustainable Development	15	

Part II

132.212	Professional Practice I	15	P 132.106, 132.111, 132.112
132.213	Policy Analysis and Evaluation	15	P 132.106, 132.111, 132.112
132.217	Planning Hazard-Resilient Communities	15	P Any 100-level paper
132.218	Building Collaborative Communities	15	P Any 100-level paper
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper

Part III

132.304	Tūhono Taiao: Māori and Planning	15	P 150.201 and 30 credits of 200-level papers
132.305	Natural Resource Policy and Planning	15	P Any 200-level Geography or Planning paper
132.311	Planning Theory	15	P 132.212, 132.213, 132.217, 132.218, 150.201
132.312	Environmental and Planning Law	15	P 132.212, 132.213, 132.217, 132.218, 150.201
132.313	Advanced Planning Techniques	15	P 132.212, 132.213, 132.217, 132.218, 150.201
132.314	Transport and Urban Planning	15	P 132.212, 132.213, 132.217, 132.218, 150.201

Part IV

132.403	Planning Project	30	P 132.311, 132.312, 132.313, 132.314, and (132.315 or 132.305)
132.412	Professional Practice II	15	P 132.311, 132.312, 132.313, 132.314, and (132.315 or 132.305)
132.414	Urban Planning and Design	15	P 132.311, 132.312, 132.313, 132.314, and (132.315 or 132.305)
132.415	Environmental Planning	15	P 132.311, 132.312, 132.313, 132.314, and (132.315 or 132.305)
132.419	Professional Practice Studio	15	P 132.311, 132.312, 132.313, 132.314, and (132.315 or 132.305)

Schedule B: Minor Requirements

A minor consists of 135 credits, with at least 105 credits above 100-level including at least 45 credits above 200-level.

Agriculture

117.152	Animals and Agriculture	15	R 117.151, 199.101
119.180	Introduction to Agribusiness	15	R 119.156
189.151	Soil Properties and Processes	15	R 189.142
283.101	Plants in Agriculture	15	R 171.102
117.254	Principles of Animal Science and Production	15	P one of 194.101, 199.101, 119.154, 117.152, 117.141
119.258	Agricultural Systems	15	P one of 117.152 or 145.121
283.201	Pasture and Crop Agronomy	15	P 15 credits at 100-level; R 171.202
283.301	Pasture Production and Practice	15	P 171.202, 283.201; R 171.301
283.305	Arable Production and Technology	15	P 171.202 or 283.201 or 120.101 or 171.102 or 283.101 plus any 200-level paper; R 171.305
283.321	Trees on Farms	15	P 15 credits at 200-level; R 171.304
283.322	Landscape Revegetation	15	P 15 credits at 200-level; R 171.364

Ecology

120.101	Biology of Plants	15	
199.101	Biology of Animals	15	
120.218	The Flora of New Zealand	15	P 120.101 or equivalent knowledge
188.263	Environmental Science I	15	P 121.103
196.205	Ecology and Conservation	15	P 199.101 or 120.101 or 121.103, 161.1xx
199.206	The Fauna of New Zealand	15	P 199.101 or equivalent knowledge
196.313	Limnology	15	P Two 199.2xx/196.2xx papers or equivalent knowledge
196.315	Applied Ecology and Resource Management	15	P 196.205
196.316	New Zealand Plant Ecology	15	P 120.218 and 196.205
196.317	Community and Ecosystem Ecology	15	P Two 199.2xx/196.2xx papers or equivalent knowledge
196.321	Vegetation Studies in New Zealand	15	P 120.218 and 196.205
120.303	Plant Biodiversity	15	P 120.218. Alternative prerequisites may be approved by the Programme Director, BSc. Students are strongly advised to take 120.217 before 120.303
162.304	Environmental Microbiology	15	P 162.212 and either 162.211 (or 141.222) or 162.213 or 196.213
188.363	Environmental Science II	15	P 188.263 and either (a) practical work related to land use systems, or (b) one or more of the following papers: 111.251, 119.258, 119.259, 171.202, 196.205
199.312	Behavioural Ecology	15	P Two 199.2xx/196.2xx papers or equivalent knowledge
199.317	Animal Biodiversity	15	P 196.207 or 196.217

Economics

115.103	Legal and Social Environment of Business	15	
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.240	Managerial Economics	15	P 115.106 or 178.101
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201
178.360	Natural Resource and Environmental Economics	15	P Any 178.1xx paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or any 178.xxx paper and any 15 credits at 200 level

Geography

145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
145.201	Quantitative Methods in Geography	15	
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper; R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
145.216	Urban Environments	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
145.222	Rivers and Slopes	15	P 145.121
145.223	Climate Change and Natural Hazards	15	P 145.121, 233.101 or equivalent; R 145.325
145.224	Biogeography	15	P Any 100-level BA or BSc paper; R 145.324
145.230	Coastal Environments	15	P 145.121; R 145.330
145.301	Research Practice in Human Geography	15	P Any 200-level BA or BSc paper
145.303	Field Work: Alpine Physical Geography	15	P 145.222 (or equivalent)
145.304	Applied Field Geomorphology	15	P At least two from: 145.222, 145.223, 145.230

145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
145.320	Quaternary Biogeography and Environmental Change	15	P 145.223 or 145.224; R 145.302, 145.308 (2009 only)
145.327	River Dynamics	15	P 145.222

Management

115.103	Legal and Social Environment of Business	15	
115.105	Fundamentals of Finance	15	R 125.100
115.108	Organisations and Management	15	R 152.100
152.200	Contemporary Management	15	P Any 100-level paper
152.203	Business and Society	15	P Any 100-level paper
152.232	Small Business Management	15	P Any 100-level paper
152.252	Project Management	15	P Any 100-level paper
152.261	International Business	15	P Any 100-level paper
152.304	Managing Services	15	P Any two 200-level papers
152.333	New Venture Project	15	P Any 200-level paper
152.336	Leadership	15	R 152.328 152.329
152.350	Strategic Management & Governance	15	P Any 200 level Management paper; R 152.341, 152.365
152.360	Change Management	15	P Any 200-level paper; R 152.303, 152.341

Māori Studies

150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311
150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Maori language necessary; R 150.210, 150.211, 150.311
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
150.202	Hauora Tāngata: Māori Health Foundations	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311
150.211	Te Reo Whakanakonako: Embellishing the Language	15	P 150.210; R 150.311
150.213	Tikanga-ā-Iwi: Tribal Development	15	P 150.114 or 146.101
150.216	He Huarahi Rangahau: Māori and Research	15	P Three papers at 100-level including one paper from Māori Studies
150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
150.302	Planning for Māori Health	15	P 150.202
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
150.311	Te Papā o te Reo: Māori Language III	15	P 150.211

Property Management

115.103	Legal and Social Environment of Business	15	
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
127.241	Real Estate Valuation and Management	15	P Any 100-level
127.242	Applied Valuation I	15	P Any 100-level paper; R 127.255
138.281	Building Technology: Construction and Design	15	P Any 100-level paper; R 138.254 and 138.282
155.201	Law of Property	15	P 115.103 or 155.100 or 155.101; R 155.216, 155.700
178.242	Land Economics	15	P Any 178.1xx paper or 115.106
127.341	Property Management and Development	15	P 127.241 or 127.243 or 127.244
127.342	Real Estate Investments	15	P 127.241 and (127.242 or PHOS)
127.343	Applied Valuation II	15	P 127.242
138.382	Building Technology: Services	15	P One of 138.281, 138.282, 138.254, 127.362; R 138.331
138.383	Building Technology: Commercial Buildings	15	P One of 138.281, 138.282, 127.362, 138.254

Soil/Earth Science

121.103	New Zealand Environments	15	
145.121	Introduction to Physical Geography	15	
189.151	Soil Properties and Processes	15	R 189.142
233.101	Introductory Earth Science	15	R 189.141
145.222	Rivers and Slopes	15	P 145.121
145.223	Climate Change and Natural Hazards	15	P 145.121, 233.101 or equivalent; R 145.325
145.230	Coastal Environments	15	P 145.121; R 145.330
189.251	Soil Fertility and Fertilisers	15	P 189.151 or 189.142
189.252	Land, Soil and Water	15	P One of 189.141, 189.151, 189.142, 233.101
233.202	Earth Science Field Work I	15	P 233.101 or 145.121; R 189.272
233.205	Volcanology and Mineralogy	15	P 233.101; R 189.275, 189.375, 233.305
233.208	Plate Tectonics and New Zealand Geology	15	
233.250	Understanding New Zealand Geology	15	P 233.101; R 233.200, 233.207
233.251	GIS and Remote Sensing	15	P 233.101 or 189.151 or 145.121 or 158.100; R 233.201, 233.204
145.303	Field Work: Alpine Physical Geography	15	P 145.222 (or equivalent)
145.304	Applied Field Geomorphology	15	P At least two from: 145.222, 145.223, 145.230
145.320	Quaternary Biogeography and Environmental Change	15	P 145.223 or 145.224; R 145.302, 145.308 (2009 only)
145.327	River Dynamics	15	P 145.222
189.362	Soil Fertility and the Environment	15	P 189.251 or 189.252
189.363	Soil Resources and Sustainable Land Use	15	P One of 189.251, 189.252, 233.210, 233.310
233.301	Advanced Remote Sensing	15	P 233.251; R 189.371
233.302	Earth Science Field Work III	15	P 233.202; R 189.372
233.350	How the Earth Works	15	P 233.250 (or 233.200); R 233.300, 233.208, 233.308

Schedule C: Elective Planning Related Papers

115.103	Legal and Social Environment of Business	15	
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
115.108	Organisations and Management	15	R 152.100
117.152	Animals and Agriculture	15	R 117.151 and 199.101
119.180	Introduction to Agribusiness	15	R 119.156
120.101	Biology of Plants	15	
121.103	New Zealand Environments	15	
145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311
150.111	Te Reo Konakinaki: Developing the Language	15	P Experience in Maori language necessary; R 150.210, 150.211, 150.311
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
158.100	Computer Applications and the Information Age	15	
176.102	New Zealand Society	15	
178.100	Principles of Macroeconomics	15	
189.151	Soil Properties and Processes	15	R 189.142
199.101	Biology of Animals	15	
200.161	Introduction to Politics	15	
219.101	Media Skills	15	
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
233.101	Introductory Earth Science	15	R 189.141
279.101	Social Policy: An Introduction	15	R 179.101
283.101	Plants in Agriculture	15	R 171.102

The Degree of Bachelor of Retail and Business Management BRBM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Retail and Business Management requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Retail and Business Management shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 150 credits at 100-level;
 - at least 75 credits at 300-level;
 And including:
 - at least 300 credits selected from the schedule to the degree;
 - the core papers listed in Schedule A to the Qualification;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Candidates who, in the opinion of the Academic Board, have passed with sufficient merit subjects for a Retail qualification registered on the NZ

Qualifications Framework at Level 5 or higher, may be cross-credited with specified or unspecified papers not exceeding a total of 120 credits.

Specialisations

- Candidates may complete a minor by passing at least 60 credits in a specialisation above 100-level, including 15 credits at 300-level. The requirements for each minor are set out in Schedule B to the Qualification.
- Approved minors are: Business Information Systems and Electronic Commerce, Design, Logistics and Supply Chain Management, Management and Entrepreneurship, and Marketing.
- Minors may be included from any undergraduate degree within the University for which recognised minors are specified.
 - Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
 - No paper may be credited to more than one specialisation.

Academic Requirements

- Candidates are required to complete between 600–900 hours of practical work in external internships, in accordance with the requirements of papers:
 - 290.101 Retail Practice (75–150 hours; 10–20 days);
 - 290.201 Retail Knowledge (150–225 hours; 20–30 days);
 - 290.301 Retail Experience (375–525 hours; 50–70 days).
- Candidates will be responsible for securing their own placements with suitable retail organisations, which must be approved by the Internship Coordinator. All work undertaken must be completed in accordance with the required standards issued.

Completion Requirements

9. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
10. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Business should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

11. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Bachelor of Retail and Business Management

Schedule A: Compulsory Core Papers (300 credits)

115.102	Accounting	15	R 110.100
115.104	Principles of Marketing	15	R 156.100, 156.200
115.106	Economics	15	R 178.101
115.107	Management Information Systems	15	R 157.100
115.108	Organisations and Management	15	R 152.100
115.109	Introduction to Business Data Analysis	15	
155.110	Retail Law	15	R 115.103
290.101	Retail Practice Internship	0	P 290.102
290.102	Fundamentals of Retailing	15	
114.240	Organisational Behaviour	15	P any 100-level paper
156.231	Strategic Marketing Management	15	P 115.104 or 156.200; R 156.701
156.232	Consumer Behaviour	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes; R 156.702
290.201	Retail Knowledge Internship	15	P 290.101, 290.202 or C 290.202
290.202	Retail Operations	15	P 290.102
290.203	Retail Buying and Planning	15	P 290.102
290.204	Store Design and Visual Merchandising	15	P 290.102
240.260	Logistics and Supply Chain Fundamentals	15	R 115.260
152.304	Managing Services	15	Any two 200-level papers
290.301	Retail Experience Internship	30	P 290.302 or C 290.302; R 115.388
290.302	Retail Strategy and Business Planning	15	P 290.202; R 156.339

Schedule B: Minors (60 credits)

Business Information Systems and Electronic Commerce

156.235	Electronic Marketing	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes
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157.240	Social Media Networks for Business	15	P Any 15 credits
157.241	Information Systems, Organisations and ECommerce	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx; R 157.242
157.341	Strategic Management for Information Systems	15	P 157.2xx or 158.2xx or 159.2xx; R 157.301, 157.373

Design

197.288	Creative Industries	15	P 75 credits at 100 level
222.215	Brand Communication	15	P 75 credits at 100 level from College of Creative Arts
224.205	Display Practices	15	P 75 credits at 100 level; R 197.205
197.388	Creative Enterprise	15	P 75 credits at 200 level; R 198.481, 212.425, 221.382, 222.382, 223.425, 224.382

Logistics and Supply Chain Management

240.261	Logistics Management	30	R 115.261
240.364	Purchasing and Supply Management	15	P 240.260, 240.261, or permission of Programme Director; R 240.360, 240.361
240.365	Distribution Strategy and Demand Chain Management	15	P 240.260, 240.261, or permission of Programme Director; R 240.360, 240.361

Management and Entrepreneurship

114.241	Managing Human Resources	15	P Any 100-level paper
114.254	Managing Employment Relations	15	P Any 100-level paper
152.200	Contemporary Management	15	P Any 100-level paper
152.230	Entrepreneurship	15	P Any 100-level paper
152.232	Small Business Management	15	P Any 100-level paper
152.252	Project Management	15	P Any 100-level paper
152.334	Innovation, Creativity and Entrepreneurship	15	P Any 200-level papers
152.336	Leadership	15	R 152.328 and 152.329

Marketing

156.233	Marketing Research	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes. 115.101 or 161.110 (recommended); R 156.703
156.235	Electronic Marketing	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes
156.237	Marketing Communication	15	P 115.104 or 156.200; R 156.234 or 156.236
156.238	Marketing new products	15	P 115.104 or 156.200
156.334	Marketing Planning	15	P 156.231 and 156.232
156.338	International Marketing	15	P 156.231 and 156.232

The Degree of Bachelor of Science BSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

1. To qualify for the Degree of Bachelor of Science candidates are required to gain at least 360 credits.

2. (a) No more than 165 credits may be at 100-level.
(b) At least 75 credits must be at 300-level.
(c) No more than 120 credits may be from papers that are not listed in the Schedule at the end of these Regulations (the BSc Schedule).
3. (a) Candidates must pass a paper in communication from Section B of the Schedule, or an approved alternative, and a quantitative paper, either from Statistics or Mathematics.
(b) Candidates must pass at least one paper from each of at least four subjects. For this purpose papers are from different subjects if the first three digits of the paper number are different. For this purpose

the Communication Papers 119.155, 119.177 and 192.102 will not normally contribute to the range of prefixes included.

- (c) Candidates must complete the majoring requirements for at least one subject listed in Section A of the BSc Schedule.
4. Candidates may complete a double major by:
- Meeting the majoring requirements of both majors; and
 - Passing at least 195 credits above 100-level, including at least 105 credits at 300-level, from the combined set of majoring requirements for the two majors.
5. Candidates may include a minor in the BSc Programme. To comply with regulation 2(c) above, the maximum number of non-BSc credits that can be added as a minor from another programme is 120.
- A minor must include a minimum of 60 credits, including at least 45 credits above 100-level and at least 15 credits at 300-level. The 45 credits above 100-level must be made up from papers discrete from the papers required to complete the majors(s).
 - Candidates can include up to two minor subjects.
 - The minor(s) must be in a different subject area from the major(s).
 - Minors may be included from any undergraduate degree within the University for which recognised minors are specified, including the BSc Degree.
 - Where the minor included is from another undergraduate degree the regulations of the home programme for the minor will apply.
 - The requirements for each minor offered within the BSc Degree are outlined following the majoring requirements for a subject in Section A of the schedule to the Regulations for the Degree of Bachelor of Science.
 - No paper may be credited to both a major subject and a minor subject, except where a 100-level paper from one subject is required as a prerequisite or corequisite for a paper from the other subject.
 - No paper may be credited to more than one minor subject except where a 100-level paper from one subject is required as a prerequisite or corequisite for a paper from the other subject.
 - A candidate may not normally credit papers from any other subject area to a minor in any subject, except where a paper from another subject is required as a prerequisite or corequisite for a paper from the minor subject.
6. Candidates will not normally be permitted to enrol for any 200-level paper in their first year of university study. Exceptions may be made under regulation 7 below.
7. The prerequisites for any paper or requirements for any major may be adjusted for a student with alternative experience/background after consultation with the relevant Major Leader and the Programme Director.
8. In any paper that involves practical work, satisfactory performance in the practical work is necessary for a pass to be obtained in the paper.

Schedules to the Regulations for the Degree of Bachelor of Science

Section A

Agricultural Science

117.152	Animals and Agriculture	15	
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
189.151	Soil Properties and Processes	15	R 189.142
194.101	Essentials of Mammalian Biology	15	
283.101	Plants in Agriculture	15	R 171.102
117.254	Principles of Animal Science and Production	15	P 194.101 or 199.101 or 117.152

119.258	Agricultural Systems	15	P One of 117.152 or 145.121; nil for Grad DipRural Studies
189.251	Soil Fertility and Fertilisers	15	P 189.151
189.252	Land, Soil and Water	15	P 189.151 or 189.141 or 233.101
283.201	Pasture and Crop Agronomy	15	P 171.102 or 120.101, R 171.202
117.342	Animal Nutrition	15	P 117.254
117.344	Animal Growth and Meat Production	15	P 117.254
117.345	Genetics for Livestock Improvement	15	P 117.254 or 203.202
117.347	Reproductive and Lactational Physiology	15	P 117.254
117.348	Animal Metabolism	15	P 122.102, 194.241, one of 122.233, 151.232, 194.242; R 194.346 (2001–2005)
117.371	Animal Production	15	P 117.254
117.381	Solving Problems in Animal Production	15	P 117.254
119.373	Integrative Studies	15	P 240 credits
189.362	Soil Fertility and the Environment	15	P 189.251 or 189.252
189.363	Soil Resources and Sustainable Land Use	15	P 189.251 or 189.252 or 233.210 or 233.310
283.301	Pasture Production and Practice	15	P 171.202
283.305	Arable Production and Technology	15	P 171.202 or 120.101 or 171.102 plus any 200-level paper
283.311	Controlling Weeds	15	P 120.101 or 171.102 plus any 200-level paper
285.301	Controlling Plant Pests and Diseases	15	P 171.284 or 171.202, R 171.384

Majoring Requirements

123.101 or 123.102; 162.101; one paper from 161.130, 160.111 or 160.112 or 160.133; one paper from 122.102, 124.101, 124.102, 124.111; 283.101 or 120.101; 194.101 or 199.101; 189.151 or 189.141 or 233.101; 117.254; 283.201; 189.251 or 189.252; 119.258; one paper from 120.217, 194.241, 194.242, 194.243 or 196.205; one 200-level paper listed under Biochemistry, Chemistry, or Genetics; 119.373; 30 credits from 300-level papers listed under Agricultural Science or Earth Science in the BSc Schedule, and 15 credits from 300-level papers listed as 120.3xx, 122.3xx, 123.3xx, 162.3xx, 194.3xx, 196.3xx, 199.3xx and 203.3xx in the BSc Schedule; complete and report at least 20 weeks of practical work experience in papers 119.150 and 119.250.

A minor is not available in Agricultural Science.

Animal Science

117.152	Animals and Agriculture	15	
122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
162.103	Introductory Biology	15	R 162.101
162.101	Biology of Cells	15	
194.101	Essentials of Mammalian Biology	15	
117.254	Principles of Animal Science and Production	15	P 194.101 or 199.101 or 117.152
117.255	Animal Health, Behaviour and Welfare	15	P 60 credits of University 100-level papers from the College of Sciences or PPD
122.233	Metabolic Biochemistry	15	P 122.102
194.241	Physiological Control Systems	15	P 194.101
117.342	Animal Nutrition	15	P 117.254
117.344	Animal Growth and Meat Production	15	P 117.254
117.345	Genetics for Livestock Improvement	15	P 117.254 or 203.202
117.347	Reproductive and Lactational Physiology	15	P 117.254
117.348	Animal Metabolism	15	P 122.102, 194.241, one of 122.233, 151.232, 194.242; R 194.346 (2001–2005)
117.371	Animal Production	15	P 117.254
117.381	Solving Problems in Animal Production	15	P 117.254
117.361	Companion Animal Science	15	P 117.254

Majoring Requirements

122.102, 123.101, 162.101, 194.101 (or 117.141); one paper in Statistics; 194.241; 122.233; 117.254; 117.255; 117.348; two papers from 117.342, 117.344, 117.345, 117.347; one paper from 117.361, 117.371, 117.381.

Minoring Requirements

One of either 199.101 or 194.101; 117.254, one of 117.255, 122.233, 194.241; at least one 300-level paper from the list of 117-prefix papers listed for the Animal Science major.

Biochemistry

122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.103	Introductory Chemistry	15	R 119.153. 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
123.101	Chemistry and Living Systems	15	R 123.171
162.103	Introductory Biology	15	R 162.101
162.101	Biology of Cells	15	
122.231	Genes and Gene Expression	15	P 123.101, 162.101
122.232	Protein Biochemistry	15	P 122.102; R 122.342
122.233	Metabolic Biochemistry	15	P 122.102
123.202	Organic and Biological Chemistry	15	P 123.101 or 123.171
123.204	Chemical and Biochemical Analysis	15	P 123.101 or 123.102 or 123.171 or 123.172. A good pass in 123.103 may be acceptable
162.211	Biology and Genetics of Microorganisms	15	P 162.101; R 162.213, 162.214
122.322	Protein Structure and Function	15	P 122.232; R 122.342
122.327	Cellular and Molecular Biochemistry	15	P 122.232 or 122.233; R 122.323
203.328	Genome Analysis	15	P 203.300; R 122.328
122.382	Clinical Biochemistry	15	P 122.233; R 122.381
123.312	Advanced Organic Chemistry	15	P 123.202, 123.204
123.326	Advanced Chemical Biology	15	P 123.202
194.346	Control of Metabolism	15	P Two of 194.242, 194.242, 122.233
203.300	DNA Technology	15	P 122.231; R 203.340
122.303	Gene Regulation	15	P 203.300; R 203.303
203.307	Advanced Cell Biology	15	P 162.101, 122.231, 122.232 and 122.233 recommended
247.300	Research in Biosciences	15	P PPD

Majoring Requirements

123.101, 122.102, 162.101, 122.231, 122.232, 122.233, 122.322, 203.300, 122.303 plus one of 123.202, 123.204, 162.211 and one of 122.327, 123.312, 123.326, 203.307, 203.328, 247.300 or two of 122.327, 123.312, 123.326, 203.307, 203.328, 247.300.

Minoring Requirements

123.101, 162.101, 122.102; three papers from 122.2xx and 122.3xx papers to make a total of at least 45 credits above 100-level with at least 15 credits at 300 level.

Bioinformatics

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar. Students interested in the area of Bioinformatics should consider a double major combination of either Biochemistry or Genetics with Computer Science, or consider including up to 7 papers from the Bachelor of Information Sciences major in Information Technology.

Biological Sciences

Note: Papers may be selected from Biological Majors as in Provisions 2 to 4 below, or from the following schedule:

214.101	Human Bioscience: Normal Body Function	15	R 194.101, 194.241, 194.242
162.214	Biology of Microorganisms	15	P 162.101; R 162.211, 162.213, 280.201
196.217	Evolutionary Biology	15	P 162.101; R 196.207, 199.319
203.212	Principles of Genetics	15	P 162.101; R 162.254, 203.202
214.201	Human Bioscience: Impaired Body Function	15	P 214.101 and 214.102
214.202	Pharmacology	15	P 214.101 and 214.102
203.340	Applied Molecular Biology	15	P 122.231; R 203.300

203.341	Genetics and Evolution	15	P 122.231; R 122.326
203.342	Molecular and Cellular Biology	15	P 122.231
247.300	Research in Biosciences	15	P PPD

The Biological Sciences major may be combined into a double major with another biological major provided that sufficient discrete papers are included at 200- and 300-level (at least 195 credits, including at least 105 credits at 300-level).

Majoring Requirements

- 120.101, 162.101, 199.101 plus a total of 30 credits from 122.102, 123.101, 123.103, 161.130, 194.101, Mathematics and/or Physics.
- An approved combination of 60 credits from 200-level biological papers in Animal Science, Biochemistry, Chemistry, Ecology, Exercise and Sport Science, Genetics, Geography, Horticultural Science, Human Nutrition, Microbiology, Physics, Physiology, Plant Biology, Psychology, and/or Zoology. Selection of papers should normally cover a range of biological disciplines.
- An approved combination of 60 credits from 300-level biological papers in Animal Science, Biochemistry, Chemistry, Ecology, Exercise and Sport Science, Genetics, Geography, Horticultural Science, Human Nutrition, Microbiology, Physiology, Plant Biology, Psychology, and/or Zoology.
- The majoring requirements may also be fulfilled by completing Years 1–3 of the BMLSc degree.

Minoring Requirements

One of 120.101, 162.101, 199.101 and 45 credits of papers above 100-level, including at least 15 credits at 300-level, chosen from the schedules for majors listed under Biological Sciences.

Biomathematics

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar. Other students interested in the area of Biomathematics should consider a double major in Mathematics or Statistics and Biological Sciences.

Biostatistics

161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
122.231	Genes and Gene Expression	15	P 123.101, 162.101
161.220	Data Analysis	15	P One of 115.101, 161.100-161.130. The prerequisite may be waived for students with a high level of attainment in NCEA Level 3 Mathematics with Statistics; R 161.250
161.221	Applied Linear Models	15	P One of 115.101 or 161.100-161.130; R 161.320
161.250	Data Analysis for Biologists	15	P One of 115.101, 161.100-161.130; R 161.220
175.203	Introduction to Psychological Research	15	P 175.102
196.205	Ecology and Conservation	15	P 161.1xx and one of (199.101 or 120.101 or 121.103)
199.204	Animal Behaviour	15	P 199.101, 161.1xx or equivalent knowledge.
202.251	Principles of Epidemiology in Human Populations	15	P Any 100-level paper from the BMLSc or BSc Schedule
233.251	GIS and Remote Sensing	15	P 233.101 or 189.151 or 145.121 or 158.100; R 233.201, 233.204
203.328	Genome Analysis	15	P 203.300; R 122.328
161.331	Biostatistics	15	P 161.220 or 161.221 or 161.250 or equivalent with PHOD
196.350	Quantitative Ecology/Ecological Statistics	15	P 161.220 or 161.250
199.312	Behavioural Ecology	15	P Two 199.2xx/196.2xx papers or equivalent knowledge
203.300	DNA Technology	15	P 122.231; R 203.340
214.311	Epidemiology and Communicable Diseases	15	P Any 200-level BHLthSc Schedule paper

Minoring Requirements

161.130 (or equivalent), 161.331; one of: 161.220, 161.221, 161.250; one of: 122.231, 203.328, 175.203, 196.205, 196.350, 199.204, 199.312, 202.251, 203.300, 214.311, 233.251.

Biotechnology

No new enrolments in this major from 2011 onwards. Students enrolled in this major in 2010 or earlier may continue under the regulations in the 2010 Calendar. Other students interested in the area of Biotechnology should consider majoring in Biochemistry, Genetics, Plant Science or Microbiology, or in a double major or major/minor combination of any of these subjects, or in Biological Sciences.

Chemistry

123.101	Chemistry and Living Systems	15	R 123.171
123.102	Chemistry and the Material World	15	R 123.172
123.103	Introductory Chemistry	15	R 119.153. 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed.
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
123.201	Chemical Energetics	15	P 123.102 or 123.172
123.202	Organic and Biological Chemistry	15	P 123.101 or 123.171
123.203	Inorganic Chemistry and Modelling	15	P 123.102 or 123.172 or PPD
123.204	Chemical and Biochemical Analysis	15	P 123.101 or 123.102 or 123.171 or 123.172. A good pass in 123.103 may be acceptable.
123.206	Environmental and Analytical Chemistry	15	P 123.101 or 123.171 or 123.102 or 123.172; R 123.204
123.210	Organic Chemistry Perspectives	15	P 123.101 or 123.171; R 123.202
123.271	Molecules to Materials	15	P (123.171 or 123.101) and (123.172 or 123.102)
123.310	Advanced Concepts in Organic Chemistry	15	P 123.202 or 123.210; R 123.312
123.311	Advanced Physical and Analytical Chemistry	15	P 123.201, 123.204
123.312	Advanced Organic Chemistry	15	P 123.202, 123.204
123.313	Advanced Inorganic Chemistry	15	P 123.203, 123.204
123.325	Advanced Materials and Nanoscience	15	P 123.201; R 142.431, 142.412, 280.412, 236.301
123.326	Advanced Chemical Biology	15	P 123.202
123.331	Advanced Physical and Computational Chemistry	15	P 123.201
123.332	Advanced Topics in Chemistry	30	P Any two of 123.202, (123.206 or 123.204), or 123.201

Majoring Requirements

123.101 or 123.171, 123.102 or 123.172, 160.103 or 160.132 or 160.111 or 160.133 or 228.171 or 160.101.

Sixty credits from the following 200-level papers: 123.201, 123.202, 123.210, 123.203, 123.271, 123.204, 123.206.

Sixty credits from the following 300-level papers: 123.310, 123.311, 123.312, 123.313, (123.325 or 123.326), 123.331, 123.332.

Minoring Requirements

At least one of 123.101, 123.102, 123.171, 123.172; 45 credits from papers with 123.2xx and 123.3xx, with at least 15 credits at 300-level.

Computer Science

159.101	Programming Fundamentals	15	
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159.102	Computer Science Fundamentals	15	P 159.101; R 159.172
159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102
159.201	Algorithms and Data Structures	15	P 159.101 and 159.102; R 159.211, 159.271
159.202	Declarative Programming	15	P 159.101 and 159.102; R 159.211, 159.272
159.233	Computer Architecture	15	P 159.101 and 159.102; R 159.253
159.234	Object-Oriented Programming	15	P 159.101 and 159.102; R 159.270
159.235	Graphical Programming	15	P 159.101, 159.102
159.251	Software Engineering Design and Construction	15	P 159.101 and 159.102 or 159.272; R 159.351
159.253	Computer Systems	15	P 159.1x1, 159.1x2; R 159.233
159.270	Hardware-Oriented Computing	15	P 159.102 or 159.172; R 159.234,
159.271	Computational Thinking for Problem Solving	15	P 159.1X1, 159.1X2; R 159.201
159.272	Programming Paradigms	15	P 159.1X1, 159.1X2; R 159.202, 159.234
158.359	User Experience Design	15	P 159.271 or 159.234 or (158.225 and 159.101) or (158.254 and 159.171); R 158.360
158.360	Computer Graphics and User Experience Design	15	P 158.2xx or 159.2xx, 160.1xx
159.302	Artificial Intelligence	15	P 159.201 or 159.202 or 159.211; R 159.318
159.331	Algorithms and Languages	15	P 159.201, 159.202; R 159.311
159.333	Individual Programming Project	15	P 159.201(B) and 159.234(B); R 159.381 and 159.382
159.334	Computer Networks	15	P 159.201 or 159.234; R 159.354
159.335	Concurrent Programming and Operating Systems	15	P 159.201; R 159.355
159.339	Internet Programming	15	P 159.201 or 159.234, R 159.359
159.352	Web Application Development	15	P 159.1xx and one of 158.258, 158.252, 159.334; R 159.339, 159.359
159.354	Data Communication Networks	15	P 159.270 or 159.271; R 159.334, 281.375
159.355	Concurrent Systems	15	P 159.201 or 159.272; R 159.335
159.356	Software Engineering Capstone Project	15	P 159.352
159.360	Programming for Computer Graphics	15	P (159.270 or 159.271 or 159.272) and 160.1xx; R 159.235, 158.360
159.372	Intelligent Machines	15	P 159.271 or 159.272; R 159.302

Majoring Requirements

159.101 and 159.102, or 159.171 and 159.172; 60 credits from 200-level papers and 60 credits from 300-level papers from the Schedule above.

Minoring Requirements

159.101 and 159.102, or 159.171 and 159.172; 45 credits from papers with 159.2xx and 159.3xx, with at least 15 credits at 300-level.

Computing

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar. Other students interested in the area of Computing should consider the major in Computer Science.

Earth Science

121.103	New Zealand Environments	15	
145.121	Introduction to Physical Geography	15	
189.151	Soil Properties and Processes	15	R 189.142
233.101	Introductory Earth Science	15	
233.202	Earth Science Field Work I	15	P 233.101 or 145.121
233.203	Earth Science Field Work II	15	P 233.101; R 189.273
233.205	Volcanology and Mineralogy	15	P 233.101; R 233.305
233.250	Understanding New Zealand Geology	15	P 233.101; R 233.200, 233.207
233.251	GIS and Remote Sensing	15	P 233.101 or 189.151 or 145.121 or 158.100; R 233.201, 233.204

233.301	Advanced Remote Sensing	15	P 233.251
233.302	Earth Science Field Work III	15	P 233.202
233.310	Pedology and Quaternary Geology	15	P 233.250 or 189.252; R 189.280, 233.210, 189380
233.350	How the Earth Works	15	P 233.250 or 233.200; R 233.300, 233.208, 233.308

Majoring Requirements

233.101; 145.121 or 189.151; 233.250; 233.251; 233.202; 233.205; 233.350; 233.301; 233.302; 233.310.

Minoring Requirements

233.101; 45 credits from papers with 233.2xx and 233.3xx, with at least 15 credits at 300-level.

Note

Earth Science papers have been renumbered from 2009 onwards. Pre-2009 Earth Science paper equivalents will be acceptable as pre-requisites and in the majoring requirements.

Ecology

120.101	Biology of Plants	15	
162.103	Introductory Biology	15	R 162.101
162.101	Biology of Cells	15	
199.101	Biology of Animals	15	
120.218	The Flora of New Zealand	15	P 120.101
161.250	Data Analysis for Biologists	15	P One of 115.101, 161.100 - 161.130; R 161.220
162.211	Biology and Genetics of Microorganisms	15	P 162.101; R 162.213, 162.214
188.263	Environmental Science I	15	P 121.103
196.205	Ecology and Conservation	15	P 161.1xx and one of (199.101 or 120.101 or 121.103)
196.207	Biological Evolution	15	P 162.101; R 196.217, 199.319
196.213	Microbial Ecology	15	P 162.101; R 162.213
196.217	Evolutionary Biology	15	P 162.101; R 196.207, 199.319
199.206	The Fauna of New Zealand	15	P 199.101
120.303	Plant Biodiversity	15	P 120.218
121.313	Applied River Management	15	P 196.205 or 145.222
162.304	Environmental Microbiology	15	P 162.212, one of 162.211 (or 141.222), 162.213, 196.213
188.363	Environmental Science II	15	P 188.263 and either (a) practical work related to land use systems, or (b) one or more of the following papers: 111.251, 119.258, 119.259, 171.202, 196.205
196.313	Limnology	15	P two 199.2xx/196.2xx papers
196.315	Applied Ecology and Resource Management	15	P 196.205
196.316	New Zealand Plant Ecology	15	P 120.218 and 196.205
196.317	Community and Ecosystem Ecology	15	P two 199.2xx/196.2xx papers
196.318	Molecular Ecology	15	P 162.101, 122.231, plus one paper from 120.2xx or 196.2xx or 199.2xx
196.321	Vegetation Studies in New Zealand	15	P 120.218 and 196.205
196.325	Marine Biology	15	P 199.101; any 200-level biol.sci. paper
196.326	Topics in Marine Ecology	15	P Any two 200-level papers from prefixes 194, 196, 199
196.350	Quantitative Ecology/Ecological Statistics	15	P 161.220 or 161.250
199.310	Entomology	15	P Two 199.2xx/196.2xx papers
199.312	Behavioural Ecology	15	P Two 199.2xx/196.2xx papers
199.317	Animal Biodiversity	15	P 196.207 or 196.217
283.311	Controlling Weeds	15	P 120.101 or 171.102, plus any 200-level paper
283.322	Landscape Revegetation	15	P Any 200-level paper

Majoring Requirements

120.101, 162.101, 199.101, 161.130 (or alternative Statistics paper); 120.218, 196.205, 196.207 or 196.217, 196.213 (or 162.211 or 162.214), 199.206; two papers from 196.313, 196.315, 196.316, 196.317, 196.318, 196.321, 196.325,

196.326, 199.312 plus two papers from approved 300-level papers listed in the schedule above.

Minoring Requirements

162.101, 199.101 or 120.101, 196.205, 196.207 or 196.217, at least one 300-level paper 196.3xx.

Electronics

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar. Other students interested in the area of Electronics should consider the major in Physics. Inclusion of up to seven Engineering papers relevant to Electronics is permitted under Regulation 2(c).

Environmental Science

121.103	New Zealand Environments	15	
145.121	Introduction to Physical Geography	15	
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
233.101	Introductory Earth Science	15	R 189.141
121.211	New Zealand Environmental Issues	15	P 121.103, 145.111, or 228.111
121.212	Environmental Science Field Work I	15	P 121.103; C 121.211
188.263	Environmental Science I	15	P 121.103
196.205	Ecology and Conservation	15	P 161.1xx and one of (199.101 or 120.101 or 121.103)
121.311	Global Environmental Issues	15	P 121.103
121.312	Environmental Science Field Work II	15	P 121.103; C 121.311
121.313	Applied River Management	15	P 196.205 or 145.222
188.363	Environmental Science II	15	P 188.263 and either (a) practical work related to land use systems, or (b) one or more of the following papers: 111.251, 119.258, 119.259, 171.202, 196.205

Majoring Requirements

121.103, 145.121, 233.101, 161.130 (or an alternative statistics paper), 121.211, 121.212, 188.263, 196.205 and an approved 200-level paper from 120, 123, 138, 145, 196, 199, 233, 283, 284 or 285 prefix, 121.311, 121.312, 188.363 and an approved 300-level paper from 120, 123, 138, 145, 196, 199, 233, 283, 284 or 285 prefix.

Minoring Requirements

121.103; 45 credits from papers with 121.2xx and 121.3xx, with at least 15 credits at 300-level.

Equine

286.101	Equine Production	15	R 117.154
286.131	Introduction to Equine Nutrition and Health	15	R 117.161
286.211	Equine Reproduction and Breeding	15	P Any 100-level paper; nil for GradDipRurStud; R 117.258
286.221	Structure and Function of the Equine Athlete	15	P 119.154 or 286.131 or 117.161 or 214.171 or 234.120; nil for GradDipRurStud; R 117.259
286.222	The Equine Lower Limb	15	P 286.131 or 117.161; nil for GradDipRurStud; R 117.260
286.251	Equine Behaviour, Training and Welfare	15	R 117.256
286.321	Responses to Training in the Equine Athlete	15	P 286.221 or 117.259; R 117.359

Minoring Requirements

286.101, 286.221; 286.222 or 286.251; 286.321.

Exercise and Sport Science

194.101	Essentials of Mammalian Biology	15	
234.121	Structural Kinesiology	15	R 214.170
151.232	Nutrition and Metabolism	15	P 123.101, 122.102; R 151.344
194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101

234.222	Sport Biomechanics I	15	P 214.170 or 234.121; R 234.201
234.227	Applied Sport Science	15	P 162.101 or 194.101 or 214.171 or 234.120, or 194.144; R 194.244, 234.202, 214.270
234.223	Exercise Physiology	15	P 194.101 or 214.101; R 234.203
234.224	Motor Behaviour	15	P 214.170 or 234.121; R 234.205
128.300	Ergonomics/Human Factors: Work, Performance, Health and Design	15	P Any 200-level paper
151.332	Nutrition for Sport and Performance	15	P 151.232
194.350	Human Lifecycle Physiology	15	P 194.241 or 194.242
234.322	Sport Biomechanics II	15	P 234.201 or 234.222; R 194.351, 234.301
234.327	Investigating Sports Performance	15	P Any 60 credits at 200-level from the 234.2xx range of papers; C any 30 credits at 300-level from the 234.3xx range of papers; R 234.338 (or 152.376), 234.316, 234.302
234.323	Exercise Physiology II	15	P 234.203 or 234.223; R 234.303
234.361	Exercise Psychology	15	
194.348	Applied Human Physiology	15	P Two of 122.233, 194.241 and 194.242 R 194.347, 234.304, 234.328

Majoring Requirements

194.101, 234.121 (or 214.170), 161.130 (or equivalent); 194.241, 234.222 (or 234.201), 234.223 (or 234.203) and one of 151.232 or 194.242; 234.323 (or 234.303), 234.327 (or 234.302), 234.322 (or 234.301) or 234.361, and one of 128.300, 151.332, 194.350.

Minoring Requirements

At least one of 194.101 or 214.170 or 234.121; 45 credits from papers 234.2xx and 234.3xx, with at least 15 credits at 300-level.

Note

Exercise and Sport Science papers have been renumbered from 194.xxx to 234.xxx from 2004. Pre-2004 Exercise and Sport Science papers with the same title will be acceptable as prerequisites and in the majoring requirements.

Genetics

122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
162.101	Biology of Cells	15	
162.103	Introductory Biology	15	R 162.101
122.231	Genes and Gene Expression	15	P 123.101, 162.101
122.232	Protein Biochemistry	15	P 122.102; R 122.342
162.211	Biology and Genetics of Microorganisms	15	P 162.101, R 162.213, 162.214
162.214	Biology of Microorganisms	15	P 162.101; R 162.211, 162.213, 280.201
196.207	Biological Evolution	15	P 162.101; R 199.319, 196.217
196.217	Evolutionary Biology	15	P 162.101; R 196.207; 199.319
203.202	Genetic Analysis	15	P 162.101; R 162.254, 203.212
203.203	Human Genetics	15	P 162.101
203.212	Principles of Genetics	15	P 162.101, R 162.254, 203.202
117.345	Genetics for Livestock Improvement	15	P 203.202 or 117.254
120.302	Plant Development	15	P 120.101
120.304	Plant Biotechnology	15	P 120.101, 122.231; R 120.216
122.322	Protein Structure and Function	15	P 122.232; R 122.342
203.328	Genome Analysis	15	P 203.300; R 122.328
162.312	Molecular Microbiology	15	P 162.211, 203.300
203.300	DNA Technology	15	P 122.231; R 203.340
122.303	Gene Regulation	15	P 203.300; R 203.303
203.305	Advanced Practical Genetics	15	P 203.202, 203.300
203.307	Advanced Cell Biology	15	P 122.231
203.340	Applied Molecular Biology	15	P 122.231; R 203.300
203.341	Genetics and Evolution	15	P 122.231; R 122.326
203.342	Molecular and Cellular Biology	15	P 122.231
203.343	Advanced Genetics and Genomics	15	P [203.212 or 203.202] and 122.231
247.300	Research in Biosciences	15	P PPD

Majoring Requirements

162.101, 123.101, 122.102, 122.231, 203.203; one paper from 162.211, 162.214, 196.207, 196.217; 203.202 or 203.212; 203.300 or 203.340; 203.305 or 203.341; plus two of 203.328, 122.303, 203.307, 203.342, 203.343, 247.300.

Minoring Requirements

162.101, 122.231; 203.300 or 203.340; plus at least one further paper from 203.2xx or 203.3xx.

Geography

145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
121.211	New Zealand Environmental Issues	15	P 121.103, 145.111 or 228.111
145.201	Quantitative Methods in Geography	15	
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper; R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
145.216	Urban Environments	15	P Any 100-level BA or BSc paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
145.222	Rivers and Slopes	15	P 145.121
145.223	Climate Change and Natural Hazards	15	P 145.121 or 233.101 or equivalent; R 145.325
145.224	Biogeography	15	P Any 100-level BA or BSc paper; R 145.324
145.230	Coastal Environments	15	P 145.121; R 145.330
233.251	GIS and Remote Sensing	15	P 233.101 or 189.151 or 145.121 or 158.100; R 233.201, 233.204
121.311	Global Environmental Issues	15	P 121.103
121.313	Applied River Management	15	P 196.205 or 145.222
145.301	Research Practice in Human Geography	15	P Any 200-level BA or BSc paper
145.303	Field Work: Alpine Physical Geography	15	P 145.222 (or equivalent)
145.304	Applied Field Geomorphology	15	P At least two from: 145.222, 145.223, 145.230
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
145.320	Quaternary Biogeography and Environmental Change	15	P 145.223 or 145.224; R 145.302
145.327	River Dynamics	15	P 145.222
233.301	Advanced Remote Sensing	15	P 233.251

Majoring Requirements

145.111, 145.121, one of 145.301, 145.303, 145.304, 145.327, 145.320; a further seven papers from the list above, of which at least three must be at 300-level and up to three may be from 121.xxx or 189.xxx or 233.xxx papers, but only one at 300-level.

Minoring Requirements

At least 75 credits of papers 145.xxx; at least 45 credits must be above 100-level, with least 15 credits at 300-level.

Note

Geography majors are strongly advised to take a 100-level Statistics paper and 145.201.

Horticultural Science

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar or consider the major in Plant Science.

Horticulture

Minoring Requirements

284.101, 284.201 and 30 credits from 284.301, 284.342.

Human Nutrition

122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
162.103	Introductory Biology	15	R 162.101
162.101	Biology of Cells	15	

194.101	Essentials of Mammalian Biology	15	
214.131	Introduction to Food and Nutrition	15	141.101, 151.232, 151.344
122.233	Metabolic Biochemistry	15	P 122.102
151.231	Food Chemistry for Nutrition	15	P 123.101
151.232	Nutrition and Metabolism	15	P 123.101, 122.102; R 151.344
194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101
202.251	Principles of Epidemiology in Human Populations	15	P Any 100-level paper from the BMLSc or BSc Schedule
151.331	Maternal and Child Nutrition	15	P 151.232; R 151.345
151.332	Nutrition for Sport and Performance	15	P 151.232
151.333	Adult Nutrition and Positive Ageing	15	P 151.232
151.334	Nutrition Communication and Promotion	15	P 151.232
194.350	Human Lifecycle Physiology	15	P one of 194.241 or 194.242

Majoring Requirements

122.102, 123.101, 162.101, 122.233, 151.231, 151.232, 194.241 or 194.242, 151.331, 151.332, 151.333, 151.334, 194.350.

Minoring Requirements

122.102, 123.101, 162.101, 151.232 and 30 credits from 151.331, 151.332, 151.333, 151.334.

Information Systems

No new enrolments from 2008 onwards. Students enrolled for this major in 2007 may continue under the regulations in the 2007 Calendar or enrol in the Bachelor of Information Sciences Information Technology major instead.

Information Technology

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar or change to the Bachelor of Information Sciences Information Technology major instead. Other students interested in the area of Information Technology should consider enrolling in the Bachelor of Information Sciences Information Technology major.

Logistics and Supply Chain Management

115.103	Legal and Social Environment of Business	15	
158.100	Computer Applications and the Information Age	15	
159.101	Programming Fundamentals	15	
159.102	Computer Science Fundamentals	15	P 159.101 or 159.171; R 159.172
159.171	Computational Thinking and Software Development	15	
159.172	Computational Thinking and Algorithms	15	P 159.171 or 159.101; R 159.102,
160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
161.120	Introductory Statistics	15	P A school mathematics background of Year 12 (NCEA Level 2) is recommended for 100-level Statistics papers; R 115.101, 161.100, 161.110, 161.130, 195.101

161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
178.100	Principles of Macroeconomics	15	R: 12.101, 77.101, 78.100 (pre-1997), 178.102
240.260	Logistics and Supply Chain Fundamentals	15	P 158.100, 161.1xx; P PD for GDip students.
240.261	Logistics Management	30	P 158.100, 161.1xx; P PD for GDip students
240.262	Transportation Systems	15	P 158.100, 161.1xx; P PD for GDip students
240.362	Industry Trends and Applications	15	R 115.362
240.363	Supply Chain Management	30	P 240.260, 240.261 or PPD; R 240.360, 240.361
240.364	Purchasing and Supply Management	15	P 240.260 or 240.261 or PPD; R 240.360, 240.361
240.365	Distribution Strategy and Demand Chain Management	15	P 240.260 or 240.261 or PPD; R 240.360, 240.361

Majoring Requirements

158.100, 161.120 or 161.130, two papers from 115.103, 159.101, 159.102, 159.171, 159.172, 160.103 or 160.131 or 160.132, 178.100, or approved alternatives; 240.260, 240.261, 240.262; 240.362, 240.363; at least one of 240.364 or 240.365.

Minoring requirements

158.100, 161.120 or 161.130; 45 credits from 200- or 300-level papers under the 240 prefix with at least 15 credits at 300-level.

Marine Ecology

161.130	Introductory Biostatistics	15	R 115.101, 161.100, 161.110, 161.120
162.101	Biology of Cells	15	
199.101	Biology of Animals	15	
161.250	Data Analysis for Biologists	15	One of 115.101, 161.100 – 161.130; R 161.220
194.245	Animal Form and Function	15	P 194.101 or 199.101; R 194.243
196.225	Introductory Marine Biology	15	P 199.101; R 196.325
199.211	Invertebrate Zoology	15	P 199.101
196.350	Quantitative Ecology/Ecological Statistics	15	P 161.220 or 161.250
196.318	Molecular Ecology	15	P 162.101, 122.231, plus one paper from 120.2xx or 196.2xx or 199.2xx
196.326	Topics in Marine Ecology	15	P 199.101, 194.245 or 196.225
196.327	Marine Mammalogy	15	P 199.101 and/or 194.245
199.312	Behavioural Ecology	15	P Two 199.2xx/196.2xx papers
247.300	Research in Biosciences	15	P PPD

Majoring Requirements

162.101, 199.101, 161.130 (or alternative Statistics paper); 161.250, 196.225, 199.211, 194.245; 196.350, 196.326, 196.327, plus one paper from 196.318, 199.312, 247.300.

Minoring Requirements

199.101, 194.245 or 196.225, 196.326, 196.327.

Mathematical Physics

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar.

Mathematics

160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.204	Differential Equations I	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
160.212	Discrete Mathematics	15	P 160.101 or 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171 and one of 115.101, 161.100–161.130; R 161.231
124.332	Classical Fields	15	P 160.203, or PPD; R 124.328, 160.317
160.301	Analysis	15	P 160.203
160.302	Algebra	15	P 160.212 (and 160.102 prior to 2012)
160.314	Combinatorics	15	P 160.212
160.316	Geometry	15	P Any 200-level Mathematics paper
160.317	Methods of Mathematical Physics	15	P 160.203
160.318	Differential Equations II	15	P 160.203, 160.204
160.319	Mathematical Modelling	15	P 160.204, 160.211
160.320	Mathematics in Education	15	P Any 200-level Mathematics paper
160.325	History of Mathematics	15	P 160.101 and any 200-level Mathematics paper
160.380	Project	15	P Permission of the major leader for Mathematics

Majoring Requirements

160.111 or 160.132 (unless exempted for prerequisite purposes), 160.112 or 160.133 or (160.101 and 160.102), 60 credits from 200-level papers and 60 credits from 300-level papers listed in the Mathematics Schedule above. Students who intend to advance to Honours or Masters in Mathematics are recommended to include in their major the papers 160.301, 160.302, 160.318 and 160.319.

Minoring Requirements

160.111 or 160.132 (unless exempted for prerequisite purposes), (160.112 or 160.133 (or at least one of 160.101 or 160.102)); 45 credits from papers with 160.2xx and 160.3xx, with at least 15 credits at 300-level.

Microbiology

122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
162.101	Biology of Cells	15	
162.103	Introductory Biology	15	R 162.101
122.231	Genes and Gene Expression	15	P 123.101, 162.101
162.211	Biology and Genetics of Microorganisms	15	P 162.101; R 162.213, 162.214
162.212	The Microbial World	15	P 162.101; P(D) 162.211 or 141.222 or 162.213 or 196.213
162.283	Medical Microbiology	15	P(D) 162.211

202.251	Principles of Epidemiology in Human Populations	15	P Any 100-level paper from BMLSc or BSc Schedule
285.201	Understanding Plant Protection	15	P 120.101; R 171.284
203.328	Genome Analysis	15	P 203.300; R 122.322
162.301	Advanced Medical Microbiology	15	P 162.211 or 141.222, 162.212, 162.283, 122.102; C 162.303; R 162.384
162.303	Immunology	15	P 162.101 plus any 200-level paper; R 162.389
162.304	Environmental Microbiology	15	P 162.212 and either 162.211 or 141.222 or 162.213
141.393	Food Microbiology and Safety	15	P 280.201 or 162.212; R 162.305
162.307	Microbial Biotechnology	15	P 162.211 (or 141.222), 162.212 (or 280.201), 122.102
162.312	Molecular Microbiology	15	P 162.211, 203.300
203.300	DNA Technology	15	P 122.231; R 203.340
247.300	Research in Biosciences	15	P PPD
285.301	Controlling Plant Pests and Diseases	15	P 283.201 or 285.201 or 171.284 or 171.202; R 171.387
280.346	Water and Wastes	15	P Any 200-level paper; R 138.252, 138.346

Majoring Requirements

123.101, 162.101, 122.102; 162.211, 162.212, 162.283, 122.231; 203.300 plus three of 141.393, 162.301, 162.303, 162.304, 162.307, 162.312.

Minoring Requirements

162.101; 45 credits from papers with 162.2xx and 162.3xx, with at least 15 credits at 300-level.

Molecular Biosciences

No new enrolments in this major from 2007 onwards. Students enrolled for this major in 2006 or earlier may continue under the regulations in the 2006 Calendar. Other students interested in the area of Molecular Biosciences should consider a major in Biological Sciences.

Nanoscience

122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.101	Chemistry and Living Systems	15	R 123.171
123.102	Chemistry and the Material World	15	R 123.172
124.101	Physics I(a)	15	R 124.111, 124.171
124.102	Physics I(b)	15	R 124.172
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
162.101	Biology of Cells	15	
123.201	Chemical Energetics	15	P 123.102
123.202	Organic and Biological Chemistry	15	P 123.101
122.231	Genes and Gene Expression	15	P 123.101, 162.101
123.203	Inorganic Chemistry and Modelling	15	P 123.102 or 123.172 or PPD
123.204	Chemical and Biochemical Analysis	15	P 123.101 or 123.102 or 123.171 or 123.172. A good pass in 123.103 may be acceptable
124.226	Quantum and Statistical Physics	15	P 124.101 or 124.111 or 124.171, 124.102 or 124.172, 160.112 or 160.133 or 160.101 or 228.172

124.230	Biophysics	15	P 124.101 or 124.111 (or 124.171), 124.102 (or 124.172) or 123.101 (or 123.171) or 123.102 (or 123.172)
124.233	Classical Mechanics and Waves	15	P 124.101 or 124.111 or 124.171, 124.102 or 124.172, 160.112 or 160.133 or 160.101 or 228.172; R 124.228
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
236.201	Nanoscience	15	P 123.102 (or 123.172), 124.101 (or 124.111 or 124.171); R 142.312, 280.312
123.311	Advanced Physical and Analytical Chemistry	15	P 123.201, 123.204
123.312	Advanced Organic Chemistry	15	P 123.202, 123.204
123.313	Advanced Inorganic Chemistry	15	P 123.203, 123.204
123.326	Advanced Chemical Biology	15	P 123.202
124.325	Advanced Quantum Physics	15	P 124.226, 124.233, 160.203
124.327	Modern Statistical Physics and Thermodynamics	15	P 124.226, 160.203
203.300	DNA Technology	15	P 122.231; R 203.340
236.301	Advanced Nanoscience	15	P 236.201; R 142.412, 280.412, 123.325
236.302	Nanoscience Research Project	15	P 236.201 and 3 other 200-level papers from BSc(Nano) schedule

Majoring Requirements

123.101, 123.102, 124.101 or 124.111, 160.111 (or 160.132 or 160.101); 236.201, 123.203, 124.230; one paper from 123.201, 123.202, 124.226, 124.233, 122.231; 236.301, 236.302; two papers from 123.311, 123.312, 123.313, 123.326, 124.325, 124.327, 203.300.

Minoring Requirements

123.101, 123.102, 124.101, 236.201, 236.301, 236.302.

Physics

124.100	Introductory Physics	15	R 119.153, 124.101, 124.111, 124.171, 124.172
124.101	Physics I(a)	15	R 124.111, 124.171
124.102	Physics I(b)	15	R 124.172
124.111	Physics for Life Sciences	15	R 124.101, 124.171
124.129	Astronomy	15	
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
124.226	Quantum and Statistical Physics	15	P 124.101 or 124.111 or 124.171, 124.102 or 124.172, 160.112 or 160.133 or 160.101 or 228.172
124.229	Special Relativity and Cosmology	15	P 124.101 or 124.111 (or 124.171)
124.230	Biophysics	15	P 124.101 or 124.111 (or 124.171); 124.102 (or 124.171) or 123.101 (or 123.171) or 123.102 (or 123.172)
124.233	Classical Mechanics and Waves	15	P 124.101 or 124.111 or 124.171, 124.102 or 124.172, 160.112 or 160.133 or 160.101 or 228.172; R 124.228
124.261	Nonlinear Physics and Chaos	15	P At least one of: 124.101, 124.102, 124.111, 124.171, 124.172, and one of 160.112 or 160.133 or 228.172 or 160.101.

124.316	Advanced Experimental Physics	15	P Two of 124.226, 124.228, 124.229, 124.230, 124.233
124.325	Advanced Quantum Physics	15	P 124.226, 124.233, 160.203
124.327	Modern Statistical Physics and Thermodynamics	15	P 124.226, 160.203
124.332	Classical Fields	15	P 160.203, or PPD; R 124.328, 160.317
124.350	Computational Physics	15	P At least one of 124.226, 124.261, 160.203

Majoring Requirements

124.101 or 124.111 or 124.171, 124.102 or 124.172, 124.226, 124.229, 124.230, 124.233, 160.111 or 160.132, 160.112 or 160.133 (or 160.101), 160.203 and four from 124.316, 124.325, 124.327, 124.332 (or 124.328).

Minoring Requirements

At least 1 of 124.101 or 124.111 or 124.171, 124.102 or 124.172; 45 credits from papers with 124.2xx and 124.3xx, with at least 15 credits at 300-level.

Physiology

122.233	Metabolic Biochemistry	15	P 122.102
151.232	Nutrition and Metabolism	15	P 123.101, 122.102; R 151.344
194.101	Essentials of Mammalian Biology	15	
193.124	Comparative Anatomy for Veterinary Technologists	15	P 123.101, 162.101, 199.101; C 194.101
194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101
194.243	Physiological Strategies for Survival	15	P 194.101 or 199.101; R 194.245
194.245	Animal Form and Function	15	P 194.101 or 199.101; R 194.243
151.333	Adult Nutrition and Positive Ageing	15	P 151.232
194.342	Cell Physiology	15	P 194.241 or 194.242
194.343	Applied Physiology and Animal Welfare	15	P Two of 194.241–194.243
194.344	Nerves and the Nervous System	15	P 194.241 and one of 194.242, 194.243
194.345	Comparative Physiology	15	P One of 194.241–243 or 199.212
194.346	Control of Metabolism	15	P Two of 194.241, 194.242, 122.233
194.350	Human Lifecycle Physiology	15	P One of 194.241 or 194.242
194.348	Applied Human Physiology	15	P Two of 122.233, 194.241 and 194.242; R 194.347, 234.304, 234.328

Majoring Requirements

Nine papers (135 credits) including: 194.101, 194.241, 194.242, plus at least one paper from 122.233, 151.232, 194.243, 194.245; at least two papers from 194.344, 194.346, 194.350; plus a selection of papers from 151.333, 194.342, 194.343, 194.345, (234.304 or 194.348) to make a minimum of four papers at 300-level.

Minoring Requirements

194.101; 45 credits from papers with 194.2xx and 194.3xx, with at least 15 credits at 300-level.

Plant Biology

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar or switch to the Plant Science major.

Minoring Requirements

120.101; 45 credits from papers with 120.2xx and 120.3xx, with at least 15 credits at 300-level.

Plant Science

120.101	Biology of Plants	15	
123.101	Chemistry and Living Systems	15	R 123.171
123.103	Introductory Chemistry	15	R 119.153. 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 have been passed
162.101	Biology of Cells	15	
162.103	Introductory Biology	15	R 162.101
283.101	Plants in Agriculture	15	R 171.102

284.101	Production Horticulture	15	R 171.127, 171.128
120.217	Plant, Cell and Environment	15	P 120.101, 162.101 (or 119.154)
120.218	The Flora of New Zealand	15	P 120.101
120.219	Plants and People	15	P 120.101 or 283.101
122.231	Genes and Gene Expression	15	P 123.101, 162.101
196.207	Biological Evolution	15	P 162.101; R 199.319, 196.217
196.217	Evolutionary Biology	15	P 162.101; R 196.207; 199.319
284.201	Horticultural Production Systems	15	P 171.128, 284.101 or 171.127; nil for GradDipRurStud; R 171.227
120.302	Plant Development	15	P 120.101
120.303	Plant Biodiversity	15	P 120.218
120.304	Plant Biotechnology	15	P 120.101, 122.231; R 120.216
203.328	Genome Analysis	15	P 203.300; R 122.328
196.316	New Zealand Plant Ecology	15	P 120.218 and 196.205
284.301	Horticultural Crop Development and Yield	15	P One of 171.227 or 284.201; R 171.327, 171.328, 171.351
284.342	Horticultural Productivity and Quality	15	P 171.227 or 284.201; R 171.328, 171.329, 171.352

Majoring Requirements

120.101, 162.101, 123.101 or 123.103, 284.101; 120.217, 120.218, and at least two papers from 120.219, 122.231, (196.207 or 196.217), 284.201; 120.302, and at least three papers from 120.303, 120.304, 203.328, 196.316, 284.301, 284.342.

Psychology

175.102	Psychology as a Natural Science	15	
175.201	Social Psychology	15	P Any 100-level BA or BHLthSci or BSc paper
175.203	Introduction to Psychological Research	15	P 175.102
175.205	Brain and Behaviour	15	P 175.102
175.206	Memory and Cognition	15	P 175.102
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA or BHLthSci or BSc paper; R 175.312
175.301	Community Psychology	15	P 175.203
175.302	Abnormal and Therapeutic Psychology	15	P 175.203
175.303	The Practice of Psychological Research	15	P 175.203
175.306	Assessment of Individual Differences	15	P 175.203
175.309	Forensic Psychology	15	P 175.203
175.311	Psychology of Women	15	P 175.203
175.316	Evolution, Culture and Mind	15	P 175.203; R 175.202
175.317	Health Psychology	15	P 175.203
175.318	Experimental Psychology	15	P 175.203, 175.205 and 175.206
175.343	Personnel Psychology and Career Development	15	P 175.203
175.345	Organisational Psychology	15	P 175.203

Majoring Requirements

175.102, 175.203, a further 45 credits from 200-level papers in Psychology and 60 credits from 300-level Psychology.

Minoring Requirements

75 credits in Psychology; including 175.102 and 175.203 and at least 15 credits at 300-level.

Software Engineering

No new enrolments in this major from 2011 onwards. Students enrolled for this major in 2010 or earlier may continue under the regulations in the 2010 Calendar or change to the Bachelor of Information Sciences Software Engineering joint major instead. Other students interested in the area of Software Engineering should consider enrolling in the Bachelor of Information Sciences Software Engineering joint major.

Sport and Exercise Science

No new enrolments in this major from 2010 onwards. Students enrolled for this major in 2009 or earlier may continue under the regulations in the 2009 Calendar or transfer to the Exercise and Sport Science major.

Statistics

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
161.120	Introductory Statistics	15	P A school mathematics background of Year 12 (NCEA Level 2) is recommended for 100-level Statistics papers; R 115.101, 161.100, 161.110, 161.130, 195.101
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
228.171	Engineering Mathematics 1A	15	R 160.111
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171 and one of 115.101, 161.100–161.130; R 161.231
161.220	Data Analysis	15	P One of 115.101, 161.100–161.130. The prerequisite may be waived for students with a high level of attainment in NCEA Level 3 Mathematics with Statistics; R 161.250
161.221	Applied Linear Models	15	P One of 115.101 or 161.100–161.130; R 161.320
161.223	Introduction to Data Mining	15	P One of 115.101, 161.100–161.130; R 161.324, 161.326, 161.777
161.230	Probability Modelling	15	P One of 115.101, 161.100–161.130 and 160.1xx; R 161.240
161.231	Statistical Modelling	15	P 160.111 (or 160.101) and one of 115.101, 161.100–161.130; R 161.200
161.240	Applied Probability for Management	15	P 160.1xx and one of (115.101, 161.100–161.130; R 161.230, 204.200
161.250	Data Analysis for Biologists	15	P One of 115.101, 161.100–161.130, R 161.220
161.301	Statistical Inference	15	P 161.200 or 161.231
161.304	Advanced Statistical Modelling	15	P One of 161.200–161.240
161.320	Fitting Regression Models	15	P One of 161.200, 161.220, 161.231
161.321	Sampling and Experimental Design	15	P One of 161.2xx
161.322	Survey Design, Implementation and Analysis	15	P One of 161.200, 161.220, 161.223, 161.231
161.323	Multivariate Analysis	15	P One of 161.2xx

161.324	Data Mining	15	P 161.220 or 161.221 or 161.250; R 161.223, 161.777
161.325	Statistical Methods for Quality Improvement	15	P One of 161.200, 161.220, 161.230, 161.240
161.327	Generalised Linear Models	15	P 161.221 and one of 160.1xx; R 161.726
161.331	Biostatistics	15	P 161.220 or 161.221 or 161.250 or equivalent with PHOD
161.342	Forecasting and Time Series	15	P 161.220 or 161.221 or 161.250
161.345	Stochastic Models in Operations Research	15	P 161.111 (or 160.101), one of 161.200, 161.230, 161.240

Majoring Requirements

160.1xx or 228.171, one of 161.120, 161.130 or 161.110; 161.200 or 161.231, 161.220 or 161.250 plus a further 90 credits in papers above 100-level from the Statistics schedule above (including at most one of 160.203 and 160.211), at least 60 of which must be at 300-level.

Minoring Requirements

161.1xx; 45 credits from papers with 161.2xx and 161.3xx, with at least 15 credits at 300-level.

Zoology

121.103	New Zealand Environments	15	
162.103	Introductory Biology	15	R 162.101
162.101	Biology of Cells	15	
194.101	Essentials of Mammalian Biology	15	
199.101	Biology of Animals	15	
161.250	Data Analysis for Biologists	15	P One of 115.101, 161.100-161.130; R 161.220
194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101
194.243	Physiological Strategies for Survival	15	P 194.101 or 199.101; R 194.245,
196.205	Ecology and Conservation	15	P 161.1xx and one of (199.101 or 120.101 or 121.103)
196.207	Biological Evolution	15	P 162.101; R 199.319
196.217	Evolutionary Biology	15	P 162.101; R 196.207; 199.319
199.204	Animal Behaviour	15	P 199.101, 161.1xx
199.206	The Fauna of New Zealand	15	P 199.101
199.211	Invertebrate Zoology	15	P 199.101
199.212	Vertebrate Zoology	15	P 199.101

194.344	Nerves and the Nervous System	15	P 194.241 and one of 194.242, 194.243
194.345	Comparative Physiology	15	P One of 194.241-243 or 199.212
194.346	Control of Metabolism	15	P Two of 194.241, 194.242, 122.233
196.313	Limnology	15	P Two 199.2xx/196.2xx papers
196.315	Applied Ecology and Resource Management	15	P 196.205
196.318	Molecular Ecology	15	P 162.101, 122.231; plus any one paper at 200-level in Ecology, Zoology or Plant Biology
196.327	Marine Mammalogy	15	P 199.101 and/or 194.245
199.310	Entomology	15	P Two 199.2xx/196.2xx papers
199.312	Behavioural Ecology	15	P Two 199.2xx/196.2xx papers
199.317	Animal Biodiversity	15	P 196.207 or 196.217
199.320	Selected Topics in Zoology	15	P Two 199.2xx/196.2xx papers
199.330	Ornithology	15	P 199.212 or 199.206 or 194.245

Majoring Requirements

199.101, 162.101, 161.130 (or alternative Statistics paper); (196.207 or 196.217), (199.204 or 161.250), 199.211, 199.212; two papers from 194.345, 199.310, 199.312, 199.317, 199.320, 199.330 plus two papers from approved 300-level papers listed in the schedule above.

Minoring Requirements

199.101; 45 credits from papers with 199.2xx and 199.3xx, with at least 15 credits at 300-level.

Section B – Communication Papers

All students must pass a paper from this list, or an approved alternative:

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
119.177	Written Communication for Information Sciences	15	R 119.155, 139.107, 139.177, 140.125, 140.150, 140.151

Note

Students whose prior education was not in English may take 192.102 Academic Writing for Speakers of Other Languages instead of 119.155 or 119.177. If they consider themselves to be insufficiently prepared to undertake any of these three papers, they should consider enrolling for the paper 192.101 English for Academic Purposes for Speakers of Other Languages before undertaking 119.155, 119.177 or 192.102. 192.101 or 192.102 may not be taken after 119.155, 119.177, 140.125, 140.150 or 140.151 has been passed.

The Degree of Bachelor of Social Work BSW

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Social Work requires that the candidate will:
 - meet the University admission requirements as specified; and
 - meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work'; and
 - provide satisfactory evidence of their proficiency in English, in the form of an overall academic score of at least 6.5 in an IELTS assessment with no band score less than 6.5 within the preceding two years, if English is not the applicant's first language; and
 - be selected into the programme.

Qualification Requirements

- Candidates for the Bachelor of Social Work shall follow a parts-based course of study, which shall consist of papers totalling at least 480 credits, comprising:
 - Parts One, Two, Three, and Four;
 - at least four years of study;
 and including:
 - any compulsory papers listed in the Schedule to the Degree;
 - attending field trips, workshops, tutorials, and practice laboratories as required.

Specialisations

- The Degree of Bachelor of Social Work is awarded without specialisation.

Academic Requirements

- Every candidate for the Bachelor of Social Work shall complete the required Field Education papers and at least 120 days of approved supervised field education and associated reports, in accordance with the requirements of the following papers:
 - 179.255 Introduction to Field Education
 - 179.355 Field Education I

(c) 179.455 Field Education II.

Student Progression

5. Candidates may progress from Parts One to Two, Two to Three, and Three to Four, by passing all papers in the prior part.
6. Notwithstanding Regulation 5:
 - (a) Candidates shall not enrol in Part II unless they have passed papers to at least 75 credits. The candidate may on the recommendation of Academic Board, be permitted to enrol in approved papers of Part II in the same year that the candidate is enrolled in the remaining papers of the previous part.
 - (b) Candidates shall not enrol for Part III unless they:
 - (i) have passed all the compulsory requirements of the previous parts except that a candidate who has passed all the prerequisites for entry to Part III of the degree, except one of the compulsory papers in Part I or Part II may, with the approval of the Academic Board, be permitted to enrol in Part III; and
 - (ii) have been admitted to Part III by a selection process approved by the Head of School; and
 - (iii) hold a current full driver's licence valid in New Zealand unless otherwise exempted.
 - (c) Candidates shall not enrol in Part IV unless they have been admitted to Part IV by a selection process approved by the Head of School.

7. Candidates must continue to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work'; Candidates must advise the Programme Coordinator of any change to their circumstances in this regard within 7 days, including any conviction or criminal charges pending. Annual confirmation of eligibility is required.
8. The Degree of Bachelor of Social Work may be awarded with or without a class of Honours.

Completion Requirements

9. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
10. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma of Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

11. For candidates enrolled in the Degree of Bachelor of Social Work, the following will lead to exclusion from the qualification:
 - (a) Failure to meet the requirements for registration as set down by the New Zealand Social Workers Registration Board in terms of candidates being 'fit and proper persons to practice social work';
 - (b) Failure to obtain a pass in either 179.355 or 179.455 in two successive attempts;
 - (c) Persons excluded under clause 11(b) will only be re-admitted to the Degree of Bachelor of Social Work with approval of the Academic Board, which may be declined, or granted under such conditions as it may determine.

Transitional Provisions

12. Students who have passed at least 120 credits towards the Degree of Bachelor of Social Work prior to 1 January 2011 are not required to include 179.155 in their programme of study in order to graduate. Students who have passed at least 75 credits will be permitted to study 179.155 and 179.255 concurrently in 2011.
13. Students who have passed at least 240 credits towards the Degree of Bachelor of Social Work prior to 1 January 2011 are not required to include 179.230 in their course of study.

Schedule for the Qualification

Part One (120 credits)

Compulsory papers (60 credits):

179.110	Introducing Social and Community Work Practice	15	
179.155	An Introduction to Helping Skills in Social and Community Work Practice	15	
275.102	Human Development	15	R 209.102
279.101	Social Policy: An Introduction	15	R 179.101

15 credits from:

176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102

15 credits from:

Social Anthropology or Māori Studies Disciplines

Electives

Papers to a total of 30 credits drawn from papers offered for other Bachelor's degrees.

Part Two (120 credits)

Compulsory papers (105 credits):

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P any 100-level BA paper
179.202	An Introduction to Social Research	15	P any two 100-level papers, at least one of which is from the BA schedule; R 176.202
179.210	Social Work Theories, Assessment and Interventions	15	P 179.110
179.255	Introduction to Field Education	15	P 179.155
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P any 100-level BA paper
279.201	Social Policy: Concepts and Theories	15	P 279.101 or 179.101; R 179.201
279.203	Law, Government and Social Policy	15	P 279.101 or 179.101; R 179.203

Electives

One paper to a total of 15 credits drawn from papers offered for other Bachelor's degrees.

Part Three (105 credits)

Compulsory papers: (105 credits)

179.310	Integrated Practice with Groups and Families	15	P 179.210
179.320	Community Development	15	P any 200-level paper
179.330	Māori Development and the Social Services	15	P any 200-level BA paper
179.355	Field Education I	45	P 179.255; C 179.310, 179.320, 179.330
279.301	Government Policy, Planning and Administration	15	P 279.201 or 179.201; R 179.301

Part Four (135 credits)

Compulsory papers (135 credits):

179.410	Social Work Fields of Practice	30	P pass in Part III
179.420	Advanced Social Work Practice	30	P pass in Part III
179.440	Management in the Social Services	15	P pass in Part III
179.455	Field Education II	45	P 179.355; C 179.410, 179.420
279.401	Social Policy Evaluation	15	P 279.301 or 179.301; R 179.462

The Degree of Bachelor of Speech and Language Therapy

BSpchLangTher

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Bachelor of Speech and Language Therapy requires that the candidate will:
 - meet the University admission requirements; and:
 - have achieved 14 credits or more at Level 3 or higher on the National Qualifications Framework in three approved subjects including: 14 credits at Level 3 or higher in English and a minimum of 16 credits or more at NCEA Level 3 or higher in one of the following subjects; Biology, Chemistry, Mathematics with Calculus, Physics; Science, or Statistics and Modelling; or
 - hold a B Bursary or higher in the University Entrance Bursaries and Scholarships Examination; and:
 - have achieved an IELTS of 7.0 with no band less than 7.0 within the preceding two years if English is not the applicant's first language.
- Admission to the qualification will be granted or withheld on consideration of the admission requirements specified under Regulation 1, a Police Vetting report and a selection process that may include a written application, interview, and practical exercises as may be determined by the College Pro Vice-Chancellor or their delegate.

Qualification Requirements

- Candidates for the Bachelor of Speech and Language Therapy shall follow a course of study, which shall consist of papers totalling at least 480 credits, comprising Part 1, Part 2, Part 3, Part 4 papers, as specified in the Schedule to the Qualification.

Specialisations

- There are no specialisations for this qualification.

Academic Requirements

- Every candidate for the Degree of Bachelor of Speech Language Therapy shall perform to the satisfaction of the College Pro Vice-Chancellor or their delegate at least 200 hours of supervised clinical practice, in accordance with the requirements of the following papers:

271.256 Field Work and Clinical Skills I

271.396 Field Work and Clinical Skills II

271.496 Advanced Clinical Paper I

271.498 Advanced Clinical Paper II

Student Progression

- In order to progress from Part 1 to Part 2, Part 2 to Part 3, or Part 3 to Part 4 a candidate must have passed all papers in the preceding Part.

Completion Requirements

- A Candidate's course of study may not exceed six consecutive years, unless a specified time of suspension or extension has been approved by the College Pro Vice-Chancellor or their delegate, under such conditions as they may determine. Permission must be sought in advance of any suspension or extension by applying in writing to the Pro Vice-Chancellor or their delegate. Details of any suspension or extension granted will appear on the academic record.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- For candidates enrolled in the Bachelor of Speech and Language Therapy the following will lead to exclusion from the qualification:
 - Failure to complete a compulsory paper in two successive attempts.
 - Failure to pass papers totalling at least 75 credits or failure to pass at least 60 percent of an approved part-time course of study in any academic year.
 - Failure to complete the degree within six consecutive years, unless a suspension or extension has been granted under Clause 7.

Schedule for the Bachelor of Speech and Language Therapy

Part 1

172.133	Introduction to Language Studies	15	
172.234	Phonetics	15	
175.102	Psychology as a Natural Science	15	
254.102	Introduction to Professional and Ethical Practice in Different Learning Contexts	15	
271.150	Introduction to Communication Disorders	15	R 186.150
271.151	Anatomy and Physiology of Speech and Hearing	15	R 186.151
271.152	Speech-Language Therapy and the Treaty of Waitangi	15	R 186.152
271.154	Speech and Language Development	15	P 271.150, 271.151, 271.152, 172.133; R 186.154

Part 2

172.231	Linguistics for Speech Therapists	15	R 172.235
175.206	Memory and Cognition	15	P 175.102
271.253	Child Language Disorders I	15	R 186.253
271.254	Articulation and Phonological Disorders in Children	15	R 186.254
271.255	Assessment Methods for Speech and Language Disorders	15	R186.255
271.256	Field Work and Clinical Skills I	15	R 186.256
271.257	Child Language Disorders II	15	P 186.253 and 186.254 or 271.253 and 271.254, 172.231; R 186.257
271.258	Neurogenic Communication Disorders I	15	P 186.253 and 186.254 or 271.253 and 271.254, 172.231; R 186.258

Part 3

172.233	Language Learning Processes	15	P Any 100-level paper
271.392	Technology in Communication Disorders	15	R 186.392
271.393	Neurogenic Communication Disorders II	15	R 186.393
271.394	Motor Speech Disorders	15	P 186.392, 186.393 and 186.395 or 271.392, 271.393 and 271.395; R 186.394
271.395	Fluency Disorders	15	R 186.395
271.396	Field Work and Clinical Skills II	15	R 186.396
271.397	Adult Dysphagia	15	P 186.392, 186.393, and 186.395 or 271.392, 271.393, and 271.395; R 186.397
271.398	Research Methods for Speech and Language Therapy	15	P 186.392, 186.393 and 186.395 or 271.392, 271.393 and 271.395; R 186.398

Part 4

254.337	Teaching of Pacific Island Students in New Zealand Contexts	15	P Any 200-level paper; R 187.337
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271.486	Speech and Language Therapy Practice and Diverse Clinical Populations	15	P 186.490, 186.493 and 186.496 or 271.487, and 271.496
271.487	Paediatric Dysphagia	15	R 186.493, 186.487
271.488	Aural Rehabilitation, Assessment and Intervention	15	R 186.488

271.489	Voice Disorders, Assessment and Treatment	15	R 186.391, 186.489
271.490	Advanced Topics in Speech and Language Therapy	15	R 186.490
271.496	Advanced Clinical Paper I	15	R 186.496
271.498	Advanced Clinical Paper II	15	P 186.487, 186.490 and 186.496 or 271.487, 271.496; R 186.498

The Degree of Bachelor of Sport and Exercise BSpEx

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Degree of Bachelor of Sport and Exercise requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Degree of Bachelor of Sport and Exercise shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - not more than 165 credits at 100-level;
 - at least 75 credits at 300-level;
 And including:
 - the core papers listed in Schedule A to the Qualification;
 - any compulsory papers listed in the Schedule to the Qualification;
 - at least 270 credits from the papers listed in the Schedule for the Qualification, of which at least 60 credits must be at 300-level;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Degree of Bachelor of Sport and Exercise may be awarded with or without a major.
- Candidates may complete a major by passing at least 180 credits in a specialisation. The requirements for each major are set out in Schedule B to the Qualification.
- Approved majors are: Exercise Prescription and Training (195 credits), Management and Coaching (180 credits), and Physical Education (180 credits).
- Candidates may include a minor in the Degree of Bachelor of Sport and Exercise.
 - A minor must include a minimum of 60 credits, including at least 45 credits above 100-level, of which at least 15 credits must be at 300-level.
 - The requirements for each minor are set out in Schedule B to the Qualification.
 - The minor must be in a different subject area from the major(s).
 - Minors may be included from any undergraduate degree within the University for which recognised minors are specified.
 - Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
 - No paper may be credited to both a major and a minor.
- Approved minors are: Equine, and Sport and Exercise Psychology.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Diploma in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Core Papers

Compulsory papers (120 credits):

234.111	Training Principles and Practice	15	R 214.166
234.130	Introduction to Sport Coaching	15	R 152.110, 152.116
234.131	Introduction to Sport Management	15	R 152.110, 152.117
234.140	Introduction to Physical Education	15	R 274.106
234.141	Introduction to Human Movement	15	R 209.104, 274.104
234.243	Sport Pedagogy	15	P 209.104 or 274.104 or 234.141; and 209.102 or 275.102 or 274.106 or 234.140; R 209.256, 274.209
234.331	Sport in the Social Context	15	P Any three papers at 200-level; R 152.210, 152.313

15 credits from:

219.100	Introduction to Business Communication	15	R 219.203, 114.253
119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130

Schedule B: Specialisations

Equine Minor

Compulsory papers (60 credits):

286.101	Equine Production	15	R 117.154, 117.257
286.221	Structure and Function of the Equine Athlete	15	P 119.154 or 286.131 or 117.161 or 214.171; nil for GradDipRurStud; R 117.259
286.321	Responses to Training in the Equine Athlete	15	P 117.259 or 286.221; R 117.359

15 credits from:

286.222	The Equine Lower Limb	15	P 117.161 or 286.131 or 117.154 or 286.101; R 117.171, 117.260
286.251	Equine Behaviour, Training and Welfare	15	P 15 credits at 100-level; R 117.256

Exercise Prescription and Training

Compulsory papers (195 credits):

214.101	Human Bioscience: Normal Body Function	15	R 194.101, 194.241, 194.242
214.131	Introduction to Food and Nutrition	15	R 141.101, 151.232, 151.344
234.120	Introduction to Sport and Exercise Science	15	R 214.171
234.121	Structural Kinesiology	15	R 214.170
234.213	Fitness Assessment	15	P any 100-level paper; R 214.272
234.214	Exercise Prescription	15	P (214.166 or 234.111) and (214.272 or 234.213); R 214.271 and 234.212
234.223	Exercise Physiology	15	P 194.101 or 214.101; R 234.203
234.227	Applied Sport Science	15	P 162.101 or 194.101 or 214.171 or 234.120 or 194.144; R 194.244, 214.270, 234.202
234.312	Advanced Exercise Prescription and Therapy	15	P 214.271 or 234.212 or 234.214; R 214.371
234.315	Fitness and Athletic Conditioning	15	P (152.216 or 234.237) or (214.166 or 234.111 and any 200-level paper); R 152.319
234.316	Exercise Prescription Practicum	30	P (214.271 or 234.212 or 234.214) and (214.272 or 234.213) or (214.274 or 234.226); C 214.371 or 234.312 or PPD; R 214.372
234.360	Sport Psychology	15	Any three papers at 200-level; R 152.318

Management and Coaching

Compulsory papers (180 credits):

115.104	Principles of Marketing	15	R 156.100, 156.200
115.105	Fundamentals of Finance	15	R 125.100
219.205	Professional Presentations in Business	15	P any 100-level paper; R 114.285
234.232	Sport Business	15	P any 100-level paper; R 152.211
234.233	Sport Facility and Event Management	15	P any 100-level paper; R 152.215, 152.310
234.234	Sport Management Planning and Promotion	15	P any 100-level paper; R 152.217
234.236	Sport Coaching: Management and Leadership	15	P any 100-level paper; R 152.214
234.239	Sport Economics	15	P any 100-level paper
155.315	Sport Law	15	P 115.103 or 155.202 recommended
234.338	Sport Management/Coaching Practicum	30	P (152.215 or 234.233) and (152.212 or 234.235; or 152.217 or 234.234), or (152.214 or 234.236) and (152.216 or 234.237); R 152.371, 152.372, 152.376
234.360	Sport Psychology	15	Any three papers at 200-level; R 152.318

Physical Education

Compulsory papers (180 credits):

275.102	Human Development	15	R 184.102, 187.102, 208.102, 209.102, 270.102
234.120	Introduction to Sport and Exercise Science	15	R 214.171

234.121	Structural Kinesiology	15	R 214.170
234.227	Applied Sport Science	15	P 162.101 or 194.101 or 214.171 or 234.120 or 194.144; R 194.244, 214.270, 234.202
234.242	Motor Skill Learning	15	P 209.104 or 274.104 or 234.141; R 208.263, 209.254, 274.254
234.244	Sport Performance	30	P 209.104 or 274.104 or 234.141; and 214.170 or 234.121 or (152.216 or 234.237); R 209.253, 274.253
234.315	Fitness and Athletic Conditioning	15	P (152.216 or 234.237) or (214.166 or 234.111) and any 200-level paper; R 152.319
234.343	Sport Pedagogy II	15	P 274.209 or 234.243
234.345	An Integrated Model of Physical Education	15	P (274.209 or 234.243) and (274.254 or 234.242) and PPD; R 208.317, 209.317, 274.371, 274.317
234.346	Promoting Hauora Through Te Ao Kori	15	P 274.209 or 234.243; R 209.316, 208.316, 274.370
234.347	Current Issues in Health and Physical Education	15	P 274.209 or 234.243; R 274.372

Sport and Exercise Psychology Minor

Compulsory papers (30 credits):

234.360	Sport Psychology	15	P Any three 200-level papers; R 152.318
234.361	Exercise Psychology	15	

15 credits from:

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	
234.130	Introduction to Sport Coaching	15	R 152.110, 152.116

15 credits from:

175.205	Brain and Behaviour	15	P 175.102
234.224	Motor Behaviour	15	P 214.170 or 234.121; R 234.205

Schedule C: Elective Papers

214.131	Introduction to Food and Nutrition	15	R 141.101, 151.232, 151.344
234.222	Sport Biomechanics I	15	P 214.170 or 234.121; R 234.201
234.225	Nutrition for Sport, Exercise and Health	15	P 194.101 or 214.101; R 151.332 and 214.273
128.300	Ergonomics/Human Factors: Work, Performance, Health and Design	15	P any 200-level paper
148.334	Sports History	15	P any 200-level BA paper
234.322	Sport Biomechanics II	15	P 234.201 or 234.222; R 194.351 and 234.301
234.323	Exercise Physiology II	15	P 234.203 or 234.223; R 234.303
234.327	Investigating Sports Performance	15	P Any 60 credits at 200-level from the 234.2xx range of papers; C Any 30 credits at 300-level from the 234.3xx range of papers; R 234.338 (or 152.376), 234.316, 234.302

The Degree of Bachelor of Sport Management BSptMgt

Not available until 2016.

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Degree of Bachelor of Sport Management requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

2. Candidates for the Degree of Bachelor of Sport Management shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:
 - (a) not more than 150 credits at 100-level;

- (b) at least 90 credits at 300-level; and including:
- (c) the core papers listed in the Schedule for the Qualification;
- (d) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

3. Candidates may include a minor in the Degree of Bachelor of Sport Management.
 - (a) Minors may be included from any undergraduate degree within the University for which recognised minors are specified.
 - (b) Where the minor is from another undergraduate degree the regulations of that programme for the minor will apply.
 - (c) No paper may be credited to both a major and a minor.

Academic Requirements

4. Every candidate for the Degree of Bachelor of Sport Management shall complete to the satisfaction of the Academic Board, a minimum of 200 hours of approved field experience, practical work and associated reports in accordance with the following papers:
 - (a) 234.238 Professional Development for the Sport Industry
 - (b) 234.338 Sport Practicum.

Completion Requirements

5. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
6. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an appropriate qualification, should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

7. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Degree of Bachelor of Sport Management

Core papers:

115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	R 156.100, 156.200
219.100	Introduction to Business Communication	15	R 114.100, 114.253, 219.203
234.131	Introduction to Sport Management	15	R 152.110, 152.117
234.133	Sport Facility Management	15	R 234.233
152.161	Foundations of International Sport Management	15	
234.135	Sociology of Sport and Exercise	15	
125.161	Financial Aspects of Sport	15	
219.261	Sport Communication	15	P 219.100
156.261	Sport Marketing	15	P 115.104 R 156.200
234.232	Sport Business	15	P Any 100-level paper R 152.211
234.233	Sport Facility and Event Management	15	P Any 100-level paper; R 152.215, 152.310
234.238	Professional Development for the Sport Industry	15	P 234.131, 125.161, 152.161 PHOS
234.239	Sport Economics	15	P Any 100-level paper
155.315	Sport Law	15	P 115.103 or 155.202 recommended
152.336	Leadership	15	
234.331	Sport in the Social Context	15	P Any three 200-level papers
234.335	Critical Issues in Sport Management	15	P 234.238, 152.161, 234.135, 234.232, 219.261, 156.261, 234.239
234.338	Sport Management/Coaching Practicum	30	P 152.215 or 234.233 and 152.212 or 234.235; or 152.217 or 234.234, or 152.214 or 234.236 and 152.216 or 234.237; R 152.371, 152.372, 152.376

The Degree of Bachelor of Veterinary Science BVSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

The Bachelor of Veterinary Science consists of two parts, being a pre-selection phase followed by the professional phase.

1. Admission to the pre-selection phase of the Bachelor of Veterinary Science requires that the candidate will meet the University admission requirements as specified.
2. Entry to the professional phase is by selection in accordance with criteria established by the Veterinary Science Student Selection Committee, which will include consideration of Grade (Point) Average, STAT F results, and require a minimum of 10 days experience in a Veterinary Practice.
3. Notwithstanding Regulation 13 candidates seeking admission or re-admission into the Degree of Bachelor of Veterinary Science after the second examination, will be ranked in accordance with the criteria outlined under the Transfer and Re-Entry Policy for the Degree and may only be (re)admitted should sufficient places be available.
4. Candidates who are excluded from the course may be readmitted only with the approval of the Academic Board and under such conditions as it may determine.

Qualification Requirements

5. Candidates for the Bachelor of Veterinary Science shall follow a fixed course of study, over at least 5 years, which shall consist of papers totalling at least 600 credits, comprising a first, second, third, fourth, fifth and sixth examination. The subjects of the examinations are prescribed in the Schedule to the degree.
6. Notwithstanding Regulation 12, a candidate who has satisfied the requirements in a subject for any examination at a university or other tertiary institution where, in the opinion of the Academic Board, the content and standard are substantially the same as for the Degree of Bachelor of Veterinary Science may, subject to the approval of, and under conditions required by, the Programme Director, be given credit for that subject.
7. Candidates may at the discretion of Academic Board, be permitted to enrol into the Bachelor of Veterinary Science after the second examination, but no later than the start of the fifth examination, subject to:
 - (a) being in good standing in a recognised veterinary science degree programme or equivalent; and
 - (b) having passed with sufficient merit, subjects to be transfer credited with specified or unspecified papers not exceeding 360 credits.

Specialisations

8. The Degree of Bachelor of Veterinary Science is awarded without specialisation.

Academic Requirements

9. Every candidate for the Degree of Bachelor of Veterinary Science shall perform to the satisfaction of the Academic Board, approved practical

work in accordance with the following papers and as specified by regulations 18 to 24:

- (a) 227.110 Farm Practical Training;
- (b) 227.310 Farm Practical Work;
- (c) 227.410 Veterinary Practical Work.

Credit will be given only for the practical work completed in accordance with the conditions detailed by the Veterinary Practical Work Committee.

Student Progression

10. After the first examination, no candidate for the Bachelor of Veterinary Science may commence the course for, or present themselves for, any examination until they have passed in all the subjects of the previous examination.
11. The Academic Board may, under such conditions as it may determine and taking into account the recommendations of the examiners, admit any candidate to a supplementary examination in a subject or subjects in which the candidate failed to gain a pass.
12. Except for supplementary examinations, a candidate must be offered all subjects of an examination at the one examination.
13. Candidates must present themselves for examinations in consecutive academic years; unless approved in writing by the Programme Director.
14. The Bachelor of Veterinary Science may be awarded with Distinction to the top 15% of the final year class, based on the grade average achieved upon first attempt over the fourth, fifth, and sixth examinations.

Completion Requirements

15. A Candidate's course of study may not exceed 8 years from the date of first enrolment in the professional phase of the Bachelor of Veterinary Science, unless a specified time of suspension or extension has been approved by the Academic Board. Permission must be sought in advance of any suspension or extension by applying in writing to the Programme Director. Suspensions or extensions granted will appear on the academic record.
16. Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an exit qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

17. For candidates enrolled in the Degree of Bachelor of Veterinary Science, the following will lead to exclusion from that programme:
 - (a) failure of the Second Examination;
 - (b) failure to pass either the Third, Fourth, Fifth, or Sixth Examination in two successive attempts;
 - (c) failure to complete the requirements of the Degree within 8 years from the date of first enrolment in the professional phase of the Degree.
 - (d) Persons excluded under clause 17(b) and 17(c) will only be re-admitted to the BVSc programme with approval of Academic Board under such conditions as it may determine.
 - (e) Persons excluded twice under clause 17(b) above will not be permitted to re-enrol for the BVSc degree.

Transitional Provisions

18. All candidates commencing study towards the Bachelor of Veterinary Science during or after 2013 must satisfy the requirements of these regulations as specified in Schedule A to the Degree.
19. All candidates who commenced study towards the Bachelor of Veterinary Science prior to 2013, and who are successfully completing the examinations each year, must satisfy the requirements of these regulations as specified in Schedule B to the Degree until their conclusion at the end of the 2016 year.
20. Candidates who are re-entering the Degree under regulations 3 and 4 prior to the commencement of teaching of papers under Schedule A, must satisfy the requirements of these regulations as specified in Schedule B to the Degree until their conclusion at the end of the 2016 year.
21. Candidates who are re-entering the Degree under regulations 3 and 4, subsequent to the teaching of papers under Schedule A, must satisfy the requirements specified in these regulations as specified in Schedule A to the Degree. From the point of re-entry into the Degree, candidates

re-entering the Degree at the beginning of the third examination must, in addition, successfully complete 227.110 Farm Practical Training.

22. Candidates who commence their study under the 2012 or earlier regulations and who are required to repeat an Examination, must satisfy the requirements of these regulations, as specified in Schedule A to the Degree. From the start of the examination being repeated candidates repeating the third examination must, in addition, successfully complete 227.110 Farm Practical Training.
23. Notwithstanding regulations 21 and 22, candidates who commence their study toward the Bachelor of Veterinary Science prior to 2013, and who are re-entering the degree at the beginning of the Sixth examination, or repeating the Sixth examination, may do so in accordance with Schedule B to the Degree.
24. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedules for the Degree of Bachelor of Veterinary Science

Schedule A – Subjects for Examination

Pre-Selection Phase

First Examination (from 2013)

123.101	Chemistry and Living Systems	15	R 123.171
124.111	Physics for Life Sciences	15	R 124.101, 124.171
162.101	Biology of Cells	15	
199.101	Biology of Animals	15	

Professional Phase

Second Examination (from 2013)

227.110	Farm Practical Training	0	
227.111	Biochemistry for Veterinary Science	12	
227.112	Veterinary Structure and Function I	13	
227.113	Animal Production, Behaviour, Welfare and Handling	16	P Compulsory paper for BVSc Year 1 students and only available to these students. Must have passed all four pre-selection papers AND been selected into the BVSc Programme in Semester 2
227.114	Veterinary Professional Studies	7	
227.115	Integrative Studies in Veterinary Science I	12	

Third Examination (from 2014)

227.211	Veterinary Structure and Function II	46	
227.212	Animal Production for Veterinarians I	15	
227.213	Introductory Veterinary Clinical Studies I	10	
227.214	Integrative Studies in Veterinary Science II	12	
227.215	Animal Production for Veterinarians II	15	
227.216	Veterinary Infectious and Parasitic Diseases I	10	
227.217	Integrative Studies in Veterinary Science III	12	

Fourth Examination (from 2015)

227.310	BVSc Farm Practical Work	0	
227.311	Farm Animal Population Health and Production	22	
227.312	Veterinary Infectious and Parasitic Diseases II	19	
227.313	Veterinary Anatomic and Clinical Pathology I	21	
227.314	Introductory Veterinary Clinical Studies II	16	

227.315	Integrative Studies in Veterinary Science IV	12
227.316	Small Animal and Equine Medicine, Surgery and Therapeutics I	18
227.317	Integrative Studies in Veterinary Science V	12

Fifth Examination (from 2016)

227.410	BVSc Veterinary Practical Work	0
227.411	Veterinary Anatomic and Clinical Pathology II	16
227.412	Integrative Studies in Infectious Diseases	6
227.413	Cattle Health, Production, Population Medicine and Therapeutics	12
227.414	Small Animal and Equine Medicine, Surgery and Therapeutics II	25
227.415	Integrative Studies in Veterinary Science VI	12
227.416	Integrative Studies in Farm Animal Health and Production and Veterinary Public Health	12
227.417	Small Animal and Equine Medicine, Surgery and Therapeutics III	25

227.418	Integrative Studies in Veterinary Science VII	12
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Sixth Examination (from 2017)

227.511	Veterinary Clinics and Public Health	120
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Schedule B – Subjects for Examination

Fifth Examination (Last year of offer 2015)

227.401	Veterinary Clinical Pathology	10
227.402	Equine Clinical Studies	19
227.403	Health and Production in Deer, Sheep and Goats	18
227.404	Cattle Health and Production	18
227.405	Small Animal Medicine and Surgery	38
227.406	Pig Health, Production and Management	7
227.408	Veterinary Epidemiology and Economics	10
227.410	BVSc Veterinary Practical Work	0

Sixth Examination (Last year of offer 2016)

227.501	Veterinary Professional Studies	9
227.502	Veterinary Public Health, Food Safety and Quality Management	15
227.503	Veterinary Clinics	96

The Degree of Bachelor of Veterinary Technology BVetTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

The Degree of Bachelor of Veterinary Technology consists of two parts, being a pre-selection phase followed by the professional phase.

- Admission to the pre-selection phase of the Degree of Bachelor of Veterinary Technology requires that the candidate will meet the University admission requirements as specified.
- Entry to the professional phase is by selection in accordance with criteria established by the Veterinary Technology Student Selection Committee, which will include consideration of Grade (Point) Average over subjects of the First Examination or approved alternatives, an essay, and requires a minimum of 10 days assessed experience in a Veterinary Practice.
- Notwithstanding Regulation 13 candidates seeking admission or re-admission into the Degree of Bachelor of Veterinary Technology after the second examination, will be ranked in accordance with the criteria outlined under the Transfer and Re-Entry Policy for the Degree and may only be (re)admitted should sufficient places be available.

Qualification Requirements

- Candidates for the Degree of Bachelor of Veterinary Technology shall follow a fixed course of study, over at least 3 years, which shall consist of papers totalling at least 360 credits, comprising:
 - a first, second, third, and fourth examination;
 - completion of the requirements for a Track; and including:
 - no more than 165 credits at 100- level;
 - at least 75 credits at 300- level.

The subjects of the examinations are prescribed in the Schedule to the Degree and in accordance with Regulations 17 to 20.

- Notwithstanding Regulation 13, a candidate who has satisfied the requirements in a subject for any examination at a university or other tertiary institution where, in the opinion of the Academic Board, the content and standard are substantially the same as for the Degree of Bachelor of Veterinary Technology may, subject to the approval of, and under conditions required by, the Programme Director, be given credit for that subject.
- Notwithstanding Regulation 13, a candidate who has been awarded the Diploma in Veterinary Nursing from Massey University may be cross-credited with papers at any level to a maximum of 150 credits. Further credit will only be awarded following surrender of the Diploma.

Specialisations

- The Degree of Bachelor of Veterinary Technology is awarded without specialisation.

Academic Requirements

- Every candidate for the Degree of Bachelor of Veterinary Technology shall perform to the satisfaction of the Academic Board, approved practical work in accordance with the following papers:
 - 193.125 Veterinary Technology Practical Experience;
 - 193.220 Veterinary Technology Clinical Experience;
 - 193.306 Integrative Studies for Veterinary Technologists;
- Failure to complete practical placement requirements of Regulation 8 (a) and (b) will preclude candidates from entry into the third year (fourth examination).

Student Progression

- After the first examination, no candidate for the Bachelor of Veterinary Technology may commence the course for, or present themselves for, any examination until they have passed in all the subjects of the previous examination.
- The Academic Board may, under such conditions as it may determine and taking into account the recommendations of the examiners, admit any candidate to a supplementary examination where available in a subject or subjects in papers in which the candidate failed to gain a pass.

12. Except for supplementary examinations, a candidate must offer all subjects of an examination at the one examination.
13. Candidates must present themselves for examinations in consecutive academic years; unless approved in writing by the Programme Director.

Completion Requirements

14. A Candidate's course of study may not exceed 5 years from the date of first enrolment in the professional phase of the Bachelor of Veterinary Technology, unless a specified time of suspension or extension has been approved by the Academic Board. Permission must be sought in advance of any suspension or extension by applying in writing to the Programme Director. Suspensions or extensions granted will appear on the academic record.
15. Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded an exit qualification should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

16. For candidates enrolled in the Degree of Bachelor of Veterinary Technology, the following will lead to exclusion from that programme:
- failure to pass any 200- and 300- level paper in which they have enrolled on two occasions;
 - failure to complete the requirements of the Degree within 5 years from the date of first enrolment in the professional phase of the Degree;
 - persons excluded under clause 16(a) and 16(b) will only be re-admitted to the Degree of Bachelor of Veterinary Technology with approval of Academic Board under such conditions as it may determine.

Transitional Provisions

17. All candidates commencing study towards the Bachelor of Veterinary Technology during or after 2012 must satisfy the requirements of these regulations as specified in Schedule A to the Degree.
18. All candidates who commenced study towards the Bachelor of Veterinary Technology prior to 2012, and who are successfully completing the examinations each year, must satisfy the requirements of these regulations as specified in Schedule B to the Degree.
19. Candidates who commence their study towards the Bachelor of Veterinary Technology prior to 2012 and who are required to repeat an Examination, must satisfy the requirements of these regulations, as specified in Schedule A to the Degree, from the start of the examination being repeated
20. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.

Schedules for the Degree of Bachelor of Veterinary Technology

Schedule A – Subjects for Examination

Pre-Selection Phase

First Examination

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
123.101	Chemistry and Living Systems	15	R 123.171
162.101	Biology of Cells	15	
199.101	Biology of Animals	15	

Professional Phase

Second Examination

193.103	Animal Behaviour, Handling and Welfare	15	P Compulsory paper for BVetTech Year 1 students and only available to these students. Must have passed 123.101, 162.101, 199.101 AND been selected into the BVetTech programme in Semester 2
193.122	Principles and Practice of Veterinary Nursing	15	P 123.101, 162.101, 199.101 AND be selected into the BVetTech programme in Semester 2

193.124	Comparative Anatomy for Veterinary Technologists	15	P 123.101, 162.101, 199.101, R 194.101
194.101	Essentials of Mammalian Biology	15	
193.125	Veterinary Technology Practical Experience	0	P 119.155, 123.101, 162.101, 199.101; C 193.103, 193.122, 193.124, 194.101

Third Examination

117.254	Principles of Animal Science and Production	15	
122.222	Biochemistry for Technology	15	P Must have passed 123.101 and 162.101 AND been selected into the professional phase of the BVetTech programme
193.219	Surgery and Imaging	15	P 193.102, 193.122, 193.124, 194.101; C 193.205, 193.204, 117.254
193.204	Pathology for Veterinary Technologists	15	P 193.103, 193.122, 193.124, 194.101, 193.125
193.205	Anaesthetic Monitoring and Equipment	15	P 193.103, 193.122, 193.124, 194.101, 193.125
193.211	Infectious Diseases of Animals	15	P 193.103, 193.122, 193.124, 194.101
193.212	Veterinary Medical Nursing	15	P 193.103, 193.122, 193.124, 194.101, 193.125
193.214	Pharmacology and Toxicology for Veterinary Technologists	15	P 193.103, 193.122, 193.124, 194.101, 193.125
193.220	Veterinary Technology Clinical Experience	0	P 193.122, 193.103, 193.124, 194.101

Fourth Examination

193.301	Veterinary Biostatistics and Epidemiology for Veterinary Technologists	15	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); R Only available to students enrolled under a BVetTech programme; C 193.303, 193.306
193.303	Advanced Clinical Studies	15	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); C 193.306; R Only available to students enrolled under a BVetTech programme
193.306	Integrative Studies for Veterinary Technologists	60	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); R 193.302

and 30 credits from one of the Tracks in Schedule C

Schedule B – Subjects for Examination

Fourth Examination

193.301	Veterinary Biostatistics and Epidemiology for Veterinary Technologists	15	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); R Only available to students enrolled under a BVetTech programme; C 193.303, 193.306
193.303	Advanced Clinical Studies	15	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); C 193.306; R Only available to students enrolled under a BVetTech programme
193.306	Integrative Studies for Veterinary Technologists	60	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); R 193.302

and 30 credits from one of the Tracks in Schedule C

Schedule C

Equine Track

286.101	Equine Production	15	
286.211	Equine Reproduction and Breeding	15	P 15 credits at 100-level

286.221	Structure and Function of the Equine Athlete	15	P 119.154
286.222	The Equine Lower Limb	15	P 286.101, 286.131
117.342	Animal Nutrition	15	P117.254
193.304	Animal Emergency Response	15	P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD
286.321	Responses to Training in the Equine Athlete	15	P 117.259 or 286.211

Large Animal Track

117.342	Animal Nutrition	15	
117.345	Genetics for Livestock Improvement	15	
117.347	Reproductive and Lactational Physiology	15	
117.371	Animal Production	15	
117.381	Solving Problems in Animal Production	15	
193.304	Animal Emergency Response	15	P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD

Management/ Business Track

115.102	Accounting	15	
115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	
114.241	Managing Human Resources	15	P Any 100-level paper
152.232	Small Business Management	15	P Any 100-level paper
193.304	Animal Emergency Response		P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD

Small Animal Track

194.241	Physiological Control Systems	15	P 194.101
194.242	Physiology of Mammalian Organ Systems	15	P 194.101
117.361	Companion Animal Science	15	P117.254
193.304	Animal Emergency Response	15	P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD
193.305	Advanced Animal Behaviour	15	P 193.204, 193.205, 193.211, 193.212, 193.214, 193.219, 193.220, 117.254 and (122.102 or 122.222); or PPVC or nominee

The Conjoint Programme for Bachelor of Arts and Bachelor of Business Studies BA/BBS

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- To qualify for the conjoint award of the Degrees of Bachelor of Arts and Bachelor of Business Studies, candidates are required to gain at least 510 credits. Each of the two degrees is regarded as a component of the conjoint programme.
 - Each paper successfully completed for the conjoint programme shall be credited to one or the other of the two components. Except as provided by these Regulations, each component shall be governed by the Regulations of the corresponding degree.
- The BA component shall consist of a total of 255 credits made up as follows:
 - The majoring requirements of at least one subject as specified in the BA Schedule. Business Psychology is not available as a major in the conjoint programme.
 - Papers with prefixes 114, 115, 152, 178 and 219 may be included in the BA component only if they are required for a major in Economics, Environmental Studies, Media Studies, Politics or Social Policy.
 - No fewer than 105 credits selected from the Bachelor of Arts Schedule, of which at least 30 credits must be at the 200-level or above.
 - Students may not include in these 105 credits papers with prefixes 114, 115, 152, 178 or 219.
- The BA component must include a written communication paper from Part I of the BA Schedule.
- The BBS component must be completed with a major and shall consist of a total of 255 credits made up as follows:
 - The compulsory eight core business papers: 115.101, 115.102, 115.103, 115.104, 115.105, 115.106, 115.107, 115.108.
 - No fewer than 120 credits at the 200-level or above, of which at least 60 credits must be at the 300-level, selected from Part II of the Schedule for the BBS degree.
 - Students taking a major in Economics in the BA component may not include papers from this major in the BBS component.
- Admission to the conjoint programme requires the attainment in the previous year of study of a standard equivalent to a Grade Point Average of at least 4.0. Students may be admitted after they have completed papers to the value of 120 credits, provided that they have obtained a Grade Point Average of at least 4.0 and have passed at least one paper from each component of the conjoint programme.
 - Candidates should normally pass all papers and achieve a Grade Point Average of at least 4.0 each year in order to continue enrolment in the conjoint programme.
 - A candidate is normally expected to advance studies concurrently in both components of the programme in each year of enrolment.
 - A candidate who has already completed the requirements of one of the component degrees will not be permitted to enrol in the conjoint programme.
 - The requirements for both components of the conjoint programme shall normally be completed within ten years of first enrolment in the conjoint programme or either component.
- Papers may not be cross-credited into or between components of the conjoint BA/BBS programme.

The Conjoint Programme for Bachelor of Arts and Bachelor of Science

BA/BSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

1. (a) To qualify for the conjoint award of the degrees of Bachelor of Arts and Bachelor of Science, candidates are required to gain at least 510 credits. Each of the two degrees is referred to as a component of the conjoint programme.
(b) Each paper successfully completed for the conjoint programme shall be credited to one or other of the two components. Except as provided by these Regulations, each component shall be governed by the Regulations of the corresponding degree.
2. The BA component shall consist of a total of 255 credits made up as follows:
 - (a) The majoring requirements of at least one subject as specified in the BA Schedule. Business Psychology is not available as a major in the BA component.
 - (b) No fewer than 105 credits selected from the Schedule for the Degree of Bachelor of Arts, of which at least 30 credits must be at the 200-level or above.
 - (c) Students may not include in these 105 credits papers with prefixes 121, 160 or 161.
 - (d) The BA component must include a written communication paper from Part I of the BA schedule.
3. The BSc component shall consist of a total of at least 255 credits from Section A of the BSc Schedule made up as follows:
 - (a) At least one paper from each of at least four subjects in Section A of the BSc Schedule. For this purpose papers are from different subjects if the first three digits of the paper number are different.
 - (b) The majoring requirements of at least one subject as specified in Section A of the BSc Schedule.
 - (c) Papers with prefixes 145 and 175 may be included in the BSc component only if they are needed to meet the majoring requirements for the Geography or Psychology major, respectively, in this component.
4. Students may not include in the BA component of the BA/BSc conjoint programme papers from the subject in which they major in the BSc component. Similarly, students may not include in the BSc papers from the subject in which they major in the BA component.
5. (a) Admission to the conjoint programme requires the attainment in the previous year of study of a standard equivalent to a Grade Point Average of at least 4.0. Students may be admitted after they have completed papers to the value of at least 120 credits provided that they have obtained a Grade Point Average of at least 4.0 and have passed at least one paper from each component of the conjoint programme.
(b) Candidates shall normally pass all papers and achieve a Grade Point Average of at least 4.0 each year in order to continue enrolment in the conjoint programme.
(c) A candidate is normally expected to advance studies concurrently in both components of the programme in each year of enrolment.
(d) A candidate who has already completed the requirements of one of the component degrees will not be permitted to enrol in the conjoint programme.
(e) The requirements for both components of the conjoint programme shall normally be completed within ten years of first enrolment in the conjoint programme or either component.
6. Papers may not be cross-credited into or between components of the conjoint BA/BSc programme.

The Conjoint Programme for Bachelor of Business Studies and Bachelor of Science

BBS/BSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

1. (a) To qualify for the conjoint award of the degrees of Bachelor of Business Studies and Bachelor of Science, candidates are required to gain at least 510 credits. Each of the two degrees is referred to as a component of the conjoint programme.
(b) Each paper successfully completed for the conjoint programme shall be credited to one or other of the two components. Except as provided by these Regulations, each component shall be governed by the Regulations of the corresponding degree.
2. The BBS component must be completed with a major and shall consist of a total of at least 255 credits made up as follows:
 - (a) No more than 135 credits may be at 100-level.
 - (b) At least 255 credits must be from the BBS Schedule of papers, including the compulsory eight core business papers: 115.101, 115.102, 115.103, 115.104, 115.105, 115.106, 115.107, 115.108, and at least 60 credits at 300-level.
3. The BSc component shall consist of a total of at least 255 credits of which 240 must be from Section A of the BSc Schedule, made up as follows:
 - (a) At least one paper from each of at least three subjects in Section A of the BSc Schedule. For this purpose papers are from different subjects if the first three digits of the paper number are different.
 - (b) The majoring requirements of at least one subject as specified in Section A of the BSc Schedule.
 - (c) Students taking any major in the Business Information Systems area in the BBS component cannot include papers from this major in the BSc component.
 - (d) Students should take an approved paper in communication skills in the BSc component (see Section B of the BSc Schedule).
 - (e) The BSc requirement for a quantitative paper is satisfied by passing the core statistics paper in the BBS component.
4. (a) Admission to the conjoint programme requires the attainment in the previous year of study of a standard equivalent to a Grade Point Average of at least 4.0. Students may be admitted after they have completed papers to the value of at least 120 credits provided that they have obtained a Grade Point Average of at least 4.0 and have passed at least one paper from each component of the conjoint programme.
(b) Candidates shall normally pass all papers and achieve a Grade Point Average of at least 4.0 each year in order to continue enrolment in the conjoint programme.

- (c) A candidate is normally expected to advance studies concurrently in both components of the programme in each year of enrolment.
- (d) A candidate who has already completed the requirements of one of the component degrees will not be permitted to enrol in the conjoint programme.

- (e) The requirements for both components of the conjoint programme shall normally be completed within ten years of first enrolment in the conjoint programme or either component.
5. Papers may not be cross-credited into or between components of the conjoint BBS/BSc programme.

Te Aho Tātaurangi: The Degree of Bachelor of Teaching Māori Medium/ Diploma in Māori Education BTchgMāoriMed/DipMāoriEd

Qualification Regulations

Part I

These Regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Students admitted to Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd shall before enrolment have:
 - demonstrated a high level of competency in Te Reo Māori me ōna tikanga;
 - demonstrated competence in literacy and numeracy (including but not limited to English) and;
 - met the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- While the University will endeavour to meet the general terms and requirements of the New Zealand Teachers Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers Council.
- Admission to the programme shall be granted or withheld upon consideration of criteria 1(a) and (b) and upon an interview for selection where this is required.

Duration and Total Credits Value

- Students enrolled for this programme shall follow an approved course of study equivalent to four full-time years and pass papers with a total value of at least 480 credits as specified below unless credit is granted under the Recognition of Prior Learning Regulations.

Special Requirements

- Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd must be completed concurrently as a single programme of study. Only when all of the requirements of both component qualifications have been completed may the degree/diploma be conferred upon the candidate.

Course Structure and Content

- The course of study for the Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd must include no fewer than 150 credits at the 300-level or above, and a total of 60 credits in Te Reo Māori including 150.311.
- The course of study must also include:

Bachelor of Teaching Māori Medium/Diploma in Māori Education

Te Tau Tuatahi – Year One

150.111	Te Reo Konakinaki: Developing the Language	15	R 150.210, 150.211, 150.311
268.107	Te Kawa o Te Kura I	15	
268.110	Te Hā	15	
268.120	Tikanga Pāngarau I	15	
268.121	Te Pū	15	
268.130	Te Irarua I	15	
268.131	Te Aro ā-Kapa	30	

Te Tau Tuarua – Year Two

150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111; R 150.211, 150.311
268.211	Te Tiringa	15	P 268.110
268.217	Te Kawa o Te Kura II	30	P 268.107
268.220	Tikanga Pāngarau II	15	P 268.120
268.221	Te More	15	P 268.121
268.230	Te Irarua II	15	P 268.130
268.231	Te Aro ā-Wai	15	P 268.131

Te Tau Tuatoru – Year Three

150.211	Te Reo Whakanakonako: Embellishing the Language	15	P 150.210; R 150.311
268.310	Te Puanga	15	P 268.211
268.317	Te Kawa o Te Kura III	30	P 268.217
268.320	Tikanga Pāngarau III	15	P 268.220
268.321	Te Weu	15	P 268.221
268.330	Te Irarua III	15	P 268.230
268.331	Te Aro ā-Tū, ā-Rongo	15	P 268.231

Te Tau Tuawhā – Year Four

150.311	Te Papa o Te Reo: Māori Language III	15	P 150.211, 150.210
268.417	Te Kawa o Te Kura IV	30	P 268.317
268.421	Te Aka	15	P 268.321
268.430	Te Kura Nui	30	P 268.330, 268.310
268.431	Te Aro ā-Tahi	15	P 268.331

Elective Studies (select one of the following):

Either:

172.233	Language Learning Processes	15	P Any 100 level BA paper
269.332	Māori Issues in Education	15	R 182.332
254.377	Teaching and Learning Languages up to Year 10	15	P Any 100 level language paper or equivalent R 207.377

Or:

15 credits from approved 200- or 300- level papers listed under the Regulations for degrees other than Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd.

Practical Requirements

- Supervised student teaching is a requirement of the degree. Each of the Te Kawa o Te Kura (professional practice) papers includes supervised teaching experience as well as college-based course work. Students are required to pass both the teaching experience component and the course work component to pass these papers.

Variations

- Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.

11. If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.
12. Students enrolled in Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd will be excluded from re-enrolment for that degree on the following basis:
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 75 academic credits or failure to pass at least 60% of an approved part-time programme of study in any academic year; or

- (c) failure to complete the Te Aho Tātaurangi qualification within six years from the date of first enrolment.

Students excluded under (a), (b) or (c) above will only be re-admitted to the Te Aho Tātaurangi: BTchgMāoriMed/DipMāoriEd course with the approval of the Academic Board.

Transition Provision

13. Students enrolled in Te Aho Tātaurangi prior to 2011 will be permitted to complete their course of study under the Regulations that were in place at the time of their enrolment. These transition arrangements will expire in 2012.

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* No new enrolments

The Postgraduate Diploma in Accountancy PGDipAcc

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- To qualify for the award of the diploma, a candidate shall have passed at least 120 approved Masterate credits of which 90 credits shall be from those listed in the Schedule below.

110.710	Contemporary Issues in Financial Accounting	30
110.711	Advanced Accounting Theory	30
110.717	Research Methods in Accounting	30
110.780	Contemporary Issues in Taxation	30
110.785	International Taxation	30
110.792	Special Topic	30
110.799	Research Report	30

The Postgraduate Diploma in AgriCommerce

PGDipAgriCommerce

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

1. Admission to the programme is on the basis of a completed Bachelor of AgriCommerce or equivalent undergraduate degree, or a completed major/graduate diploma in a field related to the chosen specialisation.

Course of Study

2. The Postgraduate Diploma in AgriCommerce shall consist of a minimum of 120 credits, including:
 - (a) 112.748 Advanced Food and Agribusiness Strategies;
 - (b) completion of 60 credits at 700-level in one of the following subjects – Agricultural Economics, Farm Management, Food Economics and Society, Food Marketing and Retailing, International Agribusiness, International Rural Development;
 - (c) 30 approved elective credits at 700-level.Special Topic papers (xxx.785 and/or xxx.786) may be included to a maximum of 30 credits.

The Postgraduate Diploma in AgriScience

PGDipAgriScience

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

The Postgraduate Diploma in AgriScience shall comprise a minimum of 120 credits. The course of study shall include an approved selection of 700-level papers from the Schedule for the Degree of Master of AgriScience. Where less than 120 credits have been specified for any programme, up to 30 credits may be approved from papers chosen from Schedules from other postgraduate programmes. Up to 45 credits from Special Topic papers 238.785 and/or 238.786 may be included. Not more than 30 credits of Professional Development, 5 Credit, papers shall be included.

Subjects

The subjects of examination for the degree, Schedules for which follow these Regulations are Agriculture, Equine, Horticulture and Life Cycle Management.

1. The selection of papers must be recommended for approval by the Graduate Subject Advisor to the appropriate Programme Coordinator.
2. There may be a limitation on the type of research approved for research projects, depending upon the resources available.

Agriculture

Course of Study

1. An approved selection of papers from at least two subject areas (as denoted by prefix number) from the 117.7xx, 119.7xx, 189.7xx, 238.7xx and 283.7xx papers listed in the Schedule to the Degree of Master of AgriScience.

2. The course may include a 30-credit Research Report (238.798) and Research Methods (119.729) or Research Practice (119.728) and/or a maximum of 45 credits of Special Topic papers 238.785 and/or 238.786.

Equine

Course of Study

1. At least one paper from 286.711 or 117.763; and 286.701 or 117.777, and
2. An approved selection of papers from the 112.7xx, 117.7xx, 119.7xx, 189.7xx, 238.7xx and 283.7xx papers listed in the Schedule for the Master of AgriScience.
3. The course may include a 30-credit Research Report (238.798) and Research Methods (119.729) or Research Practice (119.728) and/or a maximum of 45 credits of Special Topic papers 238.785 and/or 238.786.

Horticulture

Course of Study

1. An approved selection of papers from at least two subject areas (as denoted by prefix number) from the 284.7xx, 112.7xx, 119.7xx, 189.7xx, 238.7xx papers, 283.7xx and 285.7xx, papers listed in the Schedule to the Master of AgriScience.
2. The course may include a 30-credit Research Report (238.798) and Research Methods (119.729) or Research Practice (119.728) and/or a maximum of 45 credits of Special Topic papers 238.785 and/or 238.786.

Life Cycle Management

Course of Study

1. An approved selection of papers from:
 - (a) the 111.7xx, 117.xxx, 171.7xx, 189.7xx, 238.7xx papers listed in the Schedule to the Master of AgriScience; and
 - (b) papers 238.700, 238.710, 328.711 and 238.712.
2. The course may include a 30-credit Research Report (238.798) and Research Methods (119.729) or Research Practice (119.728) and/or a maximum of 45 credits of Special Topic papers 238.785 and/or 238.786.

The Postgraduate Diploma in Arts

PGDipArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Diploma in Arts requires that the candidate will:
 - (a) meet the University admission requirements as specified, and;
 - (b) have been awarded or qualified for the Bachelor of Arts degree, with a major in the intended postgraduate subject, or equivalent; or

- (c) have been awarded or qualified for any Bachelor's degree, with a minor in the intended postgraduate subject, followed by a Graduate Certificate in Arts endorsed in the intended postgraduate subject; or
- (d) have been awarded or qualified for any Bachelor's degree followed by a Graduate Diploma in Arts endorsed in the intended postgraduate subject.

Qualification Requirements

2. Candidates for the Postgraduate Diploma in Arts shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - (a) papers from the schedule to the diploma;
 - (b) completion of an endorsement.

Specialisations

3. Candidates may complete an endorsement by passing at least 120 credits in an endorsement. The requirements for each endorsement are set out in the Schedule for the Qualification.
4. The endorsements available for the Postgraduate Diploma in Arts are: Defence and Security Studies, Economics, Education, English, Geography, Geographic Information Systems, History, Māori Studies, Media Studies, Philosophy, Politics, Psychology, Social Anthropology, Social Policy, and Sociology.

Completion Requirements

5. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
6. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation, may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

7. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Defence and Security Studies

Subject papers:

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	P Graduate status
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.710	Military History	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.790	Research Methods in Defence and Security Studies	30	

Economics

Subject papers:

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent
178.702	Macroeconomics	30	P Graduate status and 178.703, or 178.200 and 178.220 or 178.280, or PHOS; R 178.700, 178.714
178.703	The Theory and Practice of Economics	30	

178.712	International Monetary Economics	30	
178.713	Microeconomics	30	Graduate status and any 300-level Microeconomics paper or PHOS
178.718	Health Economics	30	
178.732	Advanced Econometrics	30	P 125.785 and any 300-level Econometrics paper
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate level Economics paper or 178.703, or PHOS; R 178.750, 178.770
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P. Graduate status and PHOS
178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS

Education

Subject papers:

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
254.702	Facing Big Questions in Education	30	R 180.702
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	R 187.774
254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
261.765	Trends in E-Learning	30	R 186.761, 186.765
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
265.737	Young Children and Their Families	30	R 186.737
269.733	Mana Motuhake: Contemporary Issues in Maori and Indigenous Education	30	

English

Subject papers:

139.703	Critical and Creative Research	30	P Postgraduate status
139.707	Women, Desire and Narrative	30	
139.710	Rhetoric, Composition and the Teaching of Writing	30	
139.724	Literary Revolutions: 18th Century and Romantic Literature	30	P Graduate status with a major or a minor in English
139.725	The Post-Romantic Subject	30	
139.728	Early Modern Metadrama: Vices and Devices	30	P Graduate status with a major or a minor in English
139.750	Contemporary New Zealand Writers in an International Context	30	R 139.795 (2008 only)
139.752	Aotearoa New Zealand Drama and Performance	30	
139.757	Twentieth-Century New Zealand Fiction: Texts and Theories	30	P Graduate status, with a major or minor in English or equivalent
139.758	Postcolonial Writing	30	
139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P Graduate status, and 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	Graduate status and 139.329; or PHOS
139.763	Community Theatre	30	R 139.753
139.775	Trauma, Memory, Haunting	30	
139.799	Research Report	30	
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and PHOS

Geography

Subject papers:

145.701	Power and Geographic Knowledge	30	
145.702	Advanced Field Techniques in Geomorphology	30	
145.704	Advanced Quaternary Biogeography	30	P 145.320 or equivalent
145.705	Fluvial Geomorphology: Catchment to Coast	30	P or C 145.327 or equivalent
145.706	Historical Geography	30	
145.710	Consumption and Place	30	

Geographic Information Systems

Subject papers:

132.738	GIS Principles and Applications	30	
132.740	Geographic Information Systems Programming and Practice	30	P/C 132.738
189.761	Applied Remote Sensing	30	

157 or 159 prefix or such other papers as may be approved.

History

Subject papers:

148.720	Advanced Historiography	30	
148.730	Advanced Historical Methodology	30	
148.799	Research Report (60)	60	

Māori Studies

Subject papers:

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.702	Mauri Ora: Māori Mental Health	30	
150.710	Te Reo Whakawhitiwhiti: The Language of Everyday Communication	30	
150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30	
150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
150.715	Taonga Tuku Iho: Heritage Aotearoa	30	

Media Studies

Subject papers:

154.701	Modern and Postmodern Visual Cultures	30	
154.702	Advanced Film Studies	30	
154.704	Media Research Methods	30	
154.707	The World of Noir	30	
154.708	Modern Fiction, Popular Culture and the Media	30	
154.709	Technology and Cultural Change	30	
154.719	Media, Entertainment, and Ethics	30	
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
219.705	Advanced News Media Processes	30	P Graduate status

Philosophy

Compulsory paper:

134.710	Philosophical Research	30	
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Subject papers:

134.740	Advanced Study of Philosophical Topics	30	
134.750	Advanced Study of Philosophical Texts	30	
134.798	Research Report (30)	30	

134.799	Research Report (60)	60	
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Politics

Subject papers:

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
176.702	Advanced Social Inquiry	30	
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
200.762	Presidents and Prime Ministers	30	P Graduate status
219.708	Political Communication	30	Graduate status

Psychology

Compulsory paper (15 credits):

175.738	Psychological Research: Principles of Design	15	
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Subject papers:

175.705	Applied Behaviour Analysis	15	
175.718	Postmodernism and Psychology	15	
175.719	Applied Criminal Psychology	15	
175.720	Advanced Psychology of Women	15	
175.721	Child and Family Therapy	15	
175.722	Principles of Clinical Neuropsychology	15	
175.725	Advanced Social Psychology	30	
175.729	Psychology and Culture	15	
175.730	Professional Practice in Psychology	15	
175.732	Psychological Well-being in Organisations	15	
175.733	Culture at Work	15	
175.734	Child Clinical Neuropsychology	15	
175.737	Occupational Psychology	15	
175.739	Health Psychology: Understanding Health and Illness	15	
175.740	Occupational Health Psychology	15	P Graduate status
175.741	Psychological Assessment in Organisations	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
175.747	The Psychology of Sport and Exercise	15	
175.748	The Psychology of Organisational Change	15	
175.751	Neuropsychological Rehabilitation	15	
175.761	Theory and Practice of Cognitive Behaviour Therapy	15	
175.781	Clinical Psychopathology	15	R 175.701
175.782	Clinical Psychology Assessment	15	R 175.708
175.783	Clinical Psychology Interventions	15	R 175.707, 175.727

Social Anthropology

Subject papers:

146.701	Contemporary Approaches in Anthropological Theory	30	
146.703	The Practice of Anthropology	30	
146.798	Research Report (60)	60	
146.799	Research Report (30)	30	

Social Policy

Subject papers:

132.741	Long-Term Community Planning	30	Graduate status
179.702	Advanced Research Methods	30	

179.711	Special Topic	30	
179.783	Māori Development and the Social Services	30	
279.701	Social Policy and Political Economy	30	R 179.701
279.703	Social Policy Studies	30	R 179.704

Social Work

No new enrolments from 2015.

Sociology

Subject papers:

176.701	Current Issues and Theories	30
176.702	Advanced Social Inquiry	30
176.711	Sociology of Underdevelopment	30
176.715	Culture and New Zealand Society	30
176.718	Environmental Sociology	30

The Postgraduate Diploma in Aviation PGDipAv

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- Every candidate shall pass a selection of papers at the 700-level from the following Schedule to a total of at least 120 credits.

Schedule to the Postgraduate Diploma in Aviation

The required credits are to be selected from the following papers:

190.701	Human Factors for Professional Aviation	30
190.703	Management in Aviation Systems	30
190.704	Research Methods in Aviation	30
190.720	Aviation Strategic Management	30
190.721	Design and Management of Airports	30
190.790	Special Topic	30
190.791	Special Topic	30

Note

Not all papers at the 700-level are available for the Postgraduate Diploma in any one year. Students should consult the Head of School before enrolling.

The Postgraduate Diploma in Banking PGDipBank

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- To be eligible for the award of the diploma candidates shall have passed:
 - 137.710;

(b) at least 60 credits from 137.703, 137.704, 137.711; and

(c) 125.700 or, if sufficient undergraduate finance background, an alternative 30 credit elective approved by the Head of School.

- Candidates shall take all specified papers with the exception that, if candidates have already completed an approved course in one of the prescribed papers or in a paper with substantially similar prescription and of the same standard, they may be allowed by the Board to offer another approved paper in which they have not already passed.

Note: A qualification likely to be approved by the Academic Board for admission purposes is CA.

The Postgraduate Diploma in Business and Administration PGDipBusAdmin

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

To qualify for the award of the Diploma, the candidate shall have passed at least 120 approved credits. The Diploma may be awarded with an

endorsement in Agribusiness, Banking and Finance, Business Information Systems*, Business Law, Communication, Corporate and Institutional Governance, Economics, Finance, Financial Economics, Human Resource Management, Management, Marketing, or Occupational Safety and Health, provided that the course of study consists of at least 120 credits approved by the Head of School, including at least 90 credits from the area of endorsement.

* no new enrolments in this endorsement.

The Postgraduate Diploma in Cognitive Behaviour Therapy

PGDipCogBehTher

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Before enrolment for this Diploma a candidate will seek approval of the Head of School.

Eligibility

- Before enrolling a candidate shall:
 - have been awarded or qualified for a relevant Bachelor's degree from a New Zealand tertiary institution; or
 - have been admitted with equivalent status as eligible to proceed to the Diploma; and
 - have relevant work experience in mental health, undertaken within five years of application for admission to the course, as approved by the Head of School.
- To qualify for the award of the Diploma every candidate shall normally:
 - pass a selection of papers in Psychology at the 700-level to a total of at least 120 credits and complete practical work as appropriate; and
 - complete to the satisfaction of the Academic Board such coursework and clinical practical work as may be prescribed from time to time for the approved course of study;
 - where prescribed, produce evidence to Academic Board of a specified period of approved employment.
- The course for the Diploma comprises papers to a total value of 120 credits including at least four papers from the following Schedule:

175.761	Theory and Practice of Cognitive Behaviour Therapy	15
175.762	Cognitive Behaviour Therapy for Depression	15
175.763	Cognitive Behaviour Therapy for Anxiety Disorders	15
175.764	Cognitive Behaviour Therapy for Chronic and Complex Disorders	15
plus the following Compulsory paper:		
175.765	Cognitive Behaviour Therapy Clinical Practicum	60

Notes

- This programme is only available on a part-time basis.
- Students should normally take 175.761, 175.762, 175.763 and 175.764 in their first year of study, and 175.765 in a subsequent year of study.
- Unless approved by the Academic Board, papers should be taken in the numerical order in which they are listed.
- Clinical practicum work placements may not be available in any given year.
- Candidates who have completed either an undergraduate or a postgraduate qualification in Psychology at least six years prior to registration for the Diploma may be required by the Head of School to pass 175.707 Psychotherapy I: Theory, Research and Practice or any other specified papers before being permitted to enrol.
- Candidates enrolling for the Clinical Practicum (175.765) shall have prior documented psychotherapy experience in mental health and a current supervised caseload in institutions approved for this purpose by the Academic Board. Practical work will normally be carried out part-time for a period of one academic year.

The Postgraduate Diploma in Communication

PGDipC

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Communication requires that the candidate meet the University admission requirements as specified; and
EITHER
 - shall have been awarded or qualified for the Bachelor of Communication or a close equivalent qualification, with a minor or equivalent in the intended endorsement or a closely related field, and at least 15 credits at 300-level in the secondary area of study; or have permission of Head of School; and
 - have achieved a minimum B- grade average across the 300-level papers in the intended endorsement and the secondary area of study;
 OR
 - shall have been awarded or qualified for a Graduate Diploma in the intended endorsement or a closely related field, and at least 15 credits at 300-level in the secondary area of study; or have permission of Head of School; and
 - have achieved a minimum B- grade average across the 300-level papers in the intended endorsement and the secondary area of study.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Communication shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - at least 60 credits at 700-level from one of the subject areas in the Schedule to Postgraduate Diploma in Communication;
 - at least 30 approved credits from: 139.703 Critical and Creative Research, 154.704 Media Research Methods, 156.776 Research Methods in Marketing, 219.790 Research Methods in Communication;
 - at least 30 credits of taught papers at 700-level from a secondary subject area in the Schedule to the Postgraduate Diploma in Communication.

Specialisations

- Students whose primary subject area is Communication Management, Journalism Studies, Marketing Communication or Public Relations must select Expressive Arts, Linguistics, or Media Studies as their secondary area of study.
- Students whose primary subject area is Expressive Arts, Linguistics, or Media Studies must select Communication Management, Journalism Studies, Marketing Communication or Public Relations as their secondary area of study.
- The Postgraduate Diploma in Communication will be awarded with an Endorsement in the primary area of study.

Student Progression

6. In cases of sufficient merit, the Postgraduate Diploma in Communication may be awarded with distinction or merit.

Completion Requirements

7. The timeframes for completion as outlined in the General Regulations Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
8. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Arts should they meet the relevant qualification requirements.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

10. Communication Management papers completed under the 2013 Postgraduate Diploma in Communication regulations may be substituted for Communication Management papers in the current Qualification Schedule.

Schedule for the Postgraduate Diploma in Communication

Communication Management

219.702	Management Communication	30	P Graduate status
219.703	Advanced Business Communication	30	P Graduate status
219.704	Advanced Cross-Cultural Communication	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

Expressive Arts

139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P Graduate status and 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	P Graduate status and 139.329 or PHOS
139.763	Community Theatre	30	P Graduate status; R 139.753
139.799	Research Report	30	P Graduate status
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS

Journalism Studies

219.705	Advanced News Media Processes	30	P Graduate status
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219.708	Political Communication	30	P Graduate status
219.709	Advanced Journalism Issues	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

Linguistics

172.712	Multimodal Discourse Analysis	30	P A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300 level
172.713	Language and Communication in Late Modernity	30	P A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300 level
172.799	Research Report	30	P A Bachelor of Communication or close equivalent, with at least 15 credits in Linguistics at 300 level

Marketing Communication

156.755	Advanced Electronic and Mobile Marketing	30	P Graduate status and 156.700 or PHOS; R 156.717
156.758	Advanced Social Marketing	30	P Graduate status and PHOS; R 156.718
156.775	Theories and Models of Marketing	30	P Graduate status and at least 45 credits of 156.3xx or 60 credits of 156.7xx or PHOS; R 156.711 and 156.712
156.799	Research Report	30	P Graduate status and PHOS

Media Studies

154.701	Modern and Postmodern Visual Culture	30	P Graduate status
154.702	Advanced Film Studies	30	P Graduate status
154.707	The World of Noir	30	P Graduate status and PHOS
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and Permission HOS
154.709	Technology and Cultural Change	30	P Graduate status
154.719	Media, Entertainment, and Ethics	30	P Graduate status
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
154.798	Research Report	30	P Graduate status

Public Relations

219.706	Advanced Public Relations	30	P Graduate status and PHOS
219.710	Persuasive Communication Practice	30	P Graduate status
219.799	Research Report	30	P Graduate status and PHOS

The Postgraduate Diploma in Construction PGDipConstr

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Diploma in Construction requires that the candidate will:
- meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Construction or an equivalent qualification.

Qualification Requirements

2. Candidates for the Postgraduate Diploma in Construction shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:

- at least 120 credits at 700 or 800-level;
 - papers selected from the Schedule to the Degree.
- And including:
- attending block courses, workshops, tutorials or laboratories as required.

Specialisations

3. The Postgraduate Diploma in Construction may be awarded with or without an endorsement.
4. Candidates may complete an endorsement by passing at least 60 credits in an endorsement. The requirements for each endorsement are set out in Schedule A for the Qualification.
5. Endorsements available are: Building Technology, Construction Law, Construction Project Management, Facilities Management, Quantity Surveying.

Student Progression

6. In cases of sufficient merit, the Postgraduate Diploma may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Endorsement Papers

Building Technology (60 credits)

228.769	Energy-Efficient Building Design	15	P Graduate status and Permission PD or 228.741 or 228.743; R 142.769
218.730	Construction Project Management	15	
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743

15 credits from:

218.760	Indoor Air Quality	15	P Graduate status and PPD; R 138.760
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761

Construction Law (60 credits)

218.763	Construction Law I	15	P Graduate status and PPD
218.764	Construction Law II	15	P Graduate status and PPD
218.765	Construction Adjudication	15	P Graduate status and PPD
218.730	Construction Project Management	15	P Graduate status and PPD

Construction Project Management (60 credits)

218.710	Advanced Construction Planning and Scheduling	15	P Graduate status and PPD
218.720	Advanced Construction Site Operations and Control	15	P Graduate status and PPD
218.730	Construction Project Management	15	P Graduate status and PPD
218.763	Construction Law I	15	P Graduate status and PPD

Facilities Management (75 credits)

114.702	Human Resource Management and Workplace Relations	30	P Graduate status and PHOS; R any 30 credits from 114.700, 114.701, 114.704, 114.705
218.730	Construction Project Management	15	P Graduate status and PPD

218.760	Indoor Air Quality	15	P Graduate status and PPD; R 138.760
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743

Quantity Surveying (60 credits)

218.730	Construction Project Management	15	P Graduate status and PPD
218.780	Construction Commercial Management I	15	P Graduate status and PPD
218.781	Construction Commercial Management II	15	P Graduate status and PPD
218.764	Construction Law II	15	P Graduate status and PPD

Schedule B: Elective Papers

114.710	Organisational Learning	30	
130.705	Emergency Management	30	
132.731	Planning Law	30	
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757
228.759	Applied Energy Management	15	P Graduate status and PPD; R 142.759
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
287.730	Quality Management	30	P Graduate status and PPD; R 143.719
228.894	Research Report	30	P Graduate status and PPD

The Postgraduate Diploma in Construction Management PGDipConMgt

No new enrolments from 2014

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- To qualify for the award of the Postgraduate Diploma in Construction Management candidates shall pass a selection of papers from the Master of Construction Management Schedule to a minimum value of 120 credits.
- The subjects of examination for the Postgraduate Diploma in Construction Management are those listed in the Schedule for these

regulations. The Academic Board may approve an examination in a combination of these subjects.

- The Diploma may be awarded with an endorsement in a subject as follows:
 - For an endorsement in Resource Management the following papers must be passed: 114.702, 114.731, 152.752; plus 30 credits chosen from 114.710, 114.723, 287.730.
 - For an endorsement in Facilities Management the following papers must be passed: 114.702, 127.700, 138.761, 142.743; plus 30 credits chosen from 114.731, 218.760 (recommended), 114.723, 119.728 or 119.729, 130.705, 132.731, 152.752 and 178.730.
 - For an endorsement in Building Technology the following papers must be passed: 127.700, 218.760 or 218.761, 142.743.

114.702	Human Resource Management and Workplace Relations	30		
114.710	Organisational Learning	30		
114.723	Performance Management	30		
114.731	Advanced Occupational Safety and Health	30		
119.728	Research Practice	15	P Graduate status and PPD	
119.729	Research Methods	15	P Graduate status and PPD	
127.700	Property Studies	30		
130.705	Emergency Management	30		
132.731	Planning Law	30		
218.760	Indoor Air Quality	15	P Graduate status and PPD; R 138.760	
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761	
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740	
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741	
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742	
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743	
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744	
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745	
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746	
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747	
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748	
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750	
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756	
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757	
228.759	Applied Energy Management	15	P Graduate status and PPD; R 142.759	
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769	
287.730	Quality Management	30	P Graduate status and PPD; R 143.719	
152.752	Project Management	30		
216.798	Research Report	30	P Graduate status and PPD	

The Postgraduate Diploma in Counselling PGDipCouns

No new enrolments from 2012

Please refer to the 2011 Massey University Calendar for the regulations.

The Postgraduate Diploma in Design PGDipDes

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Design requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the award of a Bachelor of Design or equivalent; and
 - have been selected into the programme on the basis of a portfolio of design work prepared by the candidate, and an interview if required.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Design shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - at least 15 credits from Schedule A;
 - at least 75 credits from Schedule B;
 and including:
 - completion of an endorsement;
 - the remaining papers from Schedule C.

Specialisations

- Candidates must complete the requirements of an endorsement by passing at least 75 credits in that endorsement. The papers for each endorsement are set out in Schedule B.

- Endorsements available for the Postgraduate Diploma in Design are: Industrial Design, Fashion Design, Photography, Spatial Design, Textile Design, and Visual Communication Design.

Student Progression

- In cases of sufficient merit, the Postgraduate Diploma in Design may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates who are commencing the Postgraduate Diploma on or after 1 January 2014 must satisfy the requirements of these regulations.
- Candidates who commenced the Postgraduate Diploma prior to 1 January 2014 may, for credit already completed, satisfy the requirements of these regulations through substitution of the following papers: 197.701, 197.702, 197.703, 197.704, 197.705, 237.701, 237.702, 400-prefix papers in the Bachelor of Design (Honours) Schedule.
- No student enrolled before 2014 will be required to complete more than 120 credits to graduate as a consequence of the introduction of these regulations.
- These transition regulations expire at the end of 2015.

Schedule for the Qualification

Schedule A – Core Paper Selection (at least 15 credits)

197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or Permission Head of School
237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or Permission Head of School

Schedule B – Endorsement Papers

Fashion Design

212.453	Fashion Design Research and Development	30	P B- average over 212.358 and 237.330; or B- average over 212.381 and 212.310; or PGDipDes admission
212.454	Fashion Design Research Project	45	P 212.453

Industrial Design

198.453	Industrial Design Research and Development	30	P B- average over 198.358 and 237.330; or B- average over 198.355 and 198.380; or PGDipDes admission
198.454	Industrial Design Research Project	45	P 198.453

Photography

221.453	Photography Research and Development	30	P B- average over 221.358 and 237.330; or B- average over 221.370 and 221.381; or PGDipDes admission
221.454	Photography Research Project	45	P 221.453

Spatial Design

224.453	Spatial Design Research and Development	30	P B- average over 224.358 and 237.330; or B- average over 224.352 and 224.381; or PGDipDes admission
224.454	Spatial Design Research Project	45	P 224.453

Textile Design

223.453	Textile Design Research and Development	30	P B- average over 223.358 and 237.330; or B- average over 223.302 and 223.303; or PGDipDes admission
223.454	Textile Design Research Project	45	P 223.453 or (223.450 and 223.451)

Visual Communication Design

222.453	Visual Communication Design Research and Development	30	P B- average over 222.358 and 237.330; or B- average over 222.381 and one of (222.302, 222.311, 222.321, 222.331, 222.341, 222.356, 222.371); or PGDipDes admission
222.454	Visual Communication Design Research Project	45	P 222.453

Schedule C – Elective Papers

197.465	Creative Futures	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
197.470	Creative Ecologies III	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
197.471	Social Interventions Through Design	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
197.490	Design Special Topic A	15	P Permission Paper Coordinator
197.495	Design Independent Study	15	P Permission Head of School
197.499	Design Special Topic	30	P Permission Paper Coordinator
198.402	Design, Craft and Technology	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358

198.433	Designing Science Fiction	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
198.490	Industrial Design Special Topic C	15	P Permission Paper Coordinator
198.495	Industrial Design Independent Study	15	P Permission Head of School
212.403	Apparel Pattern Research	15	P (212.200 and 212.358) or (212.303 and 212.305)
212.405	Specialised Apparel Construction	15	P (212.101 and one of 198.358, 212.358, 213.342, 221.358, 222.358, 223.358, 224.358) or (212.303 and 212.305)
212.464	Fashion Culture and Politics	15	P 237.330 or 237.331 or Permission Paper Coordinator; R 212.402
212.495	Fashion Design Independent Study	15	P Permission Head of School
213.411	Fine Arts Special Topic IV	15	P Permission Paper Coordinator
213.464	Art in Context	15	P 75 credits at 300 level
213.465	Exhibition	15	C (198.454 or 198.455 or 212.454 or 212.455 or 213.442 or 221.454 or 221.455 or 222.454 or 222.455 or 223.454 or 223.455 or 224.454 or 224.455) or Permission Head of School
221.456	Photography and the Archive	15	P 221.358 or [(221.100 or 221.157) and (198.358 or 212.358 or 213.342 or 222.358 or 223.358 or 224.358)]
221.457	Photography and Visuality	15	P 237.330 or 237.331 or 221.381 or Permission Paper Coordinator
221.495	Photography Independent Study	15	P Permission Head of School
222.409	Contemporary Letterpress	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358 or 222.304
222.413	Rhetoric and Persuasion	15	P 75 credits at 300 level
222.416	Dynamic Identities	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.436	VFX (Motion Graphics and Digital Filmmaking)	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.437	Digital FX	15	P 222.358
222.449	Spatial Information	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
222.490	Visual Communication Design Special Topic D	15	P Permission Paper Coordinator
222.491	Visual Communication Design Special Topic E	15	P Permission Paper Coordinator
222.494	Graphic Design Special Topic	15	P Permission Paper Coordinator
222.495	Illustration Special Topic	15	P Permission Paper Coordinator
222.496	Visual Communication Design Special Topic F	15	P Permission Paper Coordinator
222.497	Visual Communication Design Special Topic G	15	P Permission Paper Coordinator
222.499	Independent Visual Communication Design Study	15	P Permission Head of School
223.407	Materials Research and Experimentation	15	P 198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358
223.490	Textile Design Special Topic C	15	P Permission Paper Coordinator
223.491	Textile Design Special Topic D	15	P Permission Paper Coordinator
223.495	Textile Design Independent Study	15	P Permission Head of School
224.490	Spatial Design Special Topic C	15	P Permission Paper Coordinator
224.495	Spatial Design Independent Study	15	P Permission Head of School
237.401	The Material Turn	15	P 15 credits in any 300-level paper
237.402	The Visual Field	15	P 15 credits in any 300-level paper
237.403	Studies in Material Culture B	15	P 237.401
237.404	Studies in Visual Culture B	15	P 237.402
237.417	Maori Art and Design Studio IV – Toi Atea	30	P (197.317 and 197.318) or (237.317 and 237.318); R 197.417
237.465	Creative Exposition	15	P [237.330 and (198.358 or 212.358 or 213.342 or 221.358 or 222.358 or 223.358 or 224.358)] or Permission Head of School

The Postgraduate Diploma in Education

PGDipEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

- Before enrolling for this diploma, a candidate shall:
 - have qualified for the degree of Bachelor of Education, Bachelor of Education (Teaching) or Advanced Diploma of Teaching; or
 - have qualified for any other degree of a New Zealand university and hold an appropriate professional qualification; and
 - have been granted admission to postgraduate study as entitled to enrol for the Postgraduate Diploma in Education.
- In respect to Regulation 1(b):
 - A candidate for admission to the PGDipEd (Adult Education) shall have qualified for any degree from a New Zealand University and shall have satisfied the Academic Board that they have a sufficient background of professional experience to be likely to benefit from the course.
 - A candidate for admission to the PGDipEd (Educational Psychology) shall have qualified for an approved undergraduate degree in Education, Educational Psychology, Psychology or Teaching with a minimum B average. Candidates shall have satisfied the Academic Board that they have sufficient background experience to benefit from the course.
- A candidate may not be concurrently admitted to the Postgraduate Diploma in Education and the degree of Master of Education, or the degree of Master of Educational Administration and Leadership.

Course of Study

- A candidate shall follow for not less than one year a course of study comprising of a value of 120 credits.
- Candidates shall either
 - Pass papers from the following list to a total of at least 120 credits:

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
253.753	Guidance in Education	30	R 209.753
254.701	Ethics in Education	30	R 187.701
254.702	Facing Big Questions in Education	30	R 180.702
254.704	Education and Historical Analysis	30	R 187.704
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 187.742, 211.735
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	R 187.744
254.773	Educational Policy Analysis	30	R 187.773
257.766	Leading TESOL in Diverse Contexts	30	R 207.766
257.769	Teaching Content to English Language Learners	30	R 207.769
258.720	Foundations of Literacy Education	30	R 186.720
258.721	Teaching Students with Literacy Learning Difficulties	30	R 186.721
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
258.723	Teaching Writing in the Classroom	30	
261.760	Instructional Design for E-Learning	30	R 186.757, 186.760
261.764	Foundations of E-Learning	30	R 187.712, 186.764
261.765	Trends in E-Learning	30	R 186.761, 186.765

261.766	Teaching for E-learning	30	R 186.766
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749
263.701	Enhancing Teacher Learning and Mentoring	30	R 180.701
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
263.706	Adolescent Learning and Engagement	30	
265.736	Quality in Early Years Education	30	R 186.736
265.737	Young Children and Their Families	30	R 186.737
265.740	Advanced Studies on Learning in the Early Years	30	R 186.740
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
269.711	Policy and Development in Māori Education	30	R 182.711
269.732	Cultural Differences and Education	30	R 182.732
269.733	Mana Motuhake: Contemporary Issues in Māori and Indigenous Education	30	
269.734	Mana Whānau: Whānau Engagement in Education	30	
269.735	Mana Kura: Leadership in Māori Education	30	
269.736	Mana Mātauranga: Indigeneity, Innovation and Information	30	
273.722	Adult Learning: Myths and Realities	30	R 187.722
273.723	Cultures and Learning: Diversity in Tertiary Education	30	R 187.723
273.724	The Expert Teacher of Adults: Principles and Practice	30	R 187.724
273.784	Learning and Teaching in Tertiary Education	30	R 187.784
273.785	Planning for Tertiary Learning and Teaching	30	R 187.785
276.782	Mathematics Education	30	R 211.782
276.784	Current Issues in Teaching Mathematics	30	R 211.784
276.785	Making Mathematics Accessible	30	R 254.785

or:

- qualify for an endorsement of the diploma by taking, subject to the approval of the College Pro Vice-Chancellor or nominee, papers as specified in the Schedule for that endorsement.

Note: Students intending to complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.

- Subject to the approval of the Academic Board, a candidate enrolled in an approved Education masters qualification or Doctor of Education degree may apply to exit with a Postgraduate Diploma in Education providing they have completed at least 120 credits at postgraduate level within four years, unless a period of suspension or extension has been approved by the Academic Board.

- The endorsements and their papers are

The Endorsement Schedule

Counselling and Guidance

- Two compulsory papers:

253.750	Counselling Theory	30	R 209.750
253.755	Culture and Counselling	30	R 209.755

(b) At least one of the following papers:

253.753	Guidance in Education	30	R 209.753
253.754	Family and Couples Counselling	30	R 209.754

(c) Either:

(i) one additional paper from Schedule (b)

or

(ii) Both

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

Note

Candidates intending to complete the Master of Counselling Studies Degree must complete both 267.782 and 267.783 as part of their diploma.

Transition Arrangements

Existing programmes will be offered concurrently. Candidates enrolled in the Postgraduate Diploma in Education (Guidance Studies) can transition into new programme. Candidates enrolled in the Postgraduate Diploma in Counselling will need to complete according to existing regulations at the time of their first enrolment.

Early Years

(a) At least two of the following papers:

265.736	Quality in Early Years Education	30	R 186.736
265.737	Young Children and Their Families	30	R 186.737
265.740	Advanced Studies on Learning in the Early Years	30	R 186.740
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
265.738	Children's Play and Learning in a Goal-Directed Teaching Practice	30	

(b) Up to 60 credits may be chosen from the following papers:

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
257.769	Teaching English to Language Learners	30	R 207.769
258.720	Foundations of Literacy Education	30	R 186.720
261.765	Trends in E-Learning	30	R 186.765
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749
276.782	Mathematics Education	30	R 211.782

(c) Up to 30 credits may be selected from approved papers in other Masterate Schedules. Students intending to complete a Master's degree must complete 267.782 and 267.783 as part of their diploma.

Educational Psychology

(a) Four compulsory papers:

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
256.754	Assessment in Educational Psychology	30	R 186.754, 186.747
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
267.781	Research Methods in Professional Practice	30	R 186.713 or 271.713

Educational Administration (no new enrolments from 2009)

(a) Two compulsory papers

259.771	Educational Leadership in Action	30	R 187.771
259.772	Theory and Process in Educational Leadership	30	R 187.772

(b) At least one of the following papers:

254.773	Educational Policy Analysis	30	R 187.773
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254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
259.776	Gender Issues and Educational Leadership	30	R 187.776
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
269.711	Policy and Development in Māori Education	30	R 182.711

(c) Subject to the approval of the College Pro Vice-Chancellor or nominee, papers may be selected from the following to the value of 30 credits:

253.753	Guidance in Education	30	R 209.753
269.732	Cultural Differences and Education	30	R 182.732

or other papers listed in other Masterate Schedules.

Note

Students intending to complete a Master's degree must complete 267.782 and 267.783 as part of their diploma.

E-Learning

(a) Three compulsory papers:

254.702	Facing Big Questions in Education	30	R 180.702
261.760	Instructional Design for E-Learning	30	R 186.760, 186.757
261.764	Foundations of E-Learning	30	R 186.764, 187.712

(b) One of the following:

261.765	Trends in E-Learning	30	R 186.765
261.766	Teaching for E-Learning	30	R 186.766

(c) In lieu of (b), up to 30 credits may be selected from approved papers in Masterate Schedules. Students intending to complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.

Gifted and Talented Education (no new enrolments from 2012)

Please refer to the 2011 Massey University Calendar for the regulations.

Guidance Studies (no new enrolments from 2011)

(a) One compulsory paper:

253.750	Counselling Theory	30	R 209.750
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(b) At least one of the following papers:

253.753	Guidance in Education	30	R 209.753
253.754	Family and Couples Counselling	30	R 209.754
253.755	Culture and Counselling	30	R 209.755

(c) The balance from the following papers:

249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749

Note

In lieu of section (c) options, and with the approval of the College Pro Vice-Chancellor or nominee, a student may select papers from those listed in other Masterate Schedules. Students intending to complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.

Transition Arrangements

Postgraduate Diploma in Education (Guidance Studies) students may choose to transition into the Postgraduate Diploma in Education (Counselling and Guidance).

Māori Education

(a) Two compulsory papers:

267.790	Indigenous Research Methodologies	30	R 182.793
269.711	Policy and Development in Māori Education	30	R 182.711

(b) One or two of the following papers:

150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30	
269.732	Cultural Differences and Education	30	R 182.732
269.733	Mana Motuhake: Contemporary Issues in Māori and Indigenous Education	30	
269.734	Mana Whānau: Whānau Engagement in Education	30	
269.735	Mana Kura: Leadership in Māori Education	30	
269.736	Mana Mātauranga: Indigeneity, Innovation and Information	30	

- (c) Up to 30 credits may be selected from approved papers in other Masterate Schedules. Students intending to complete a Master's degree are advised to enrol in an approved research methods paper as part of their diploma.

Special Education

- (a) Two compulsory papers:

249.741	Assessment and Planning for Learners with Diverse Needs	30	R 186.741
249.742	Teaching Methods for Learners with Diverse Needs	30	R 186.742

- (b) At least 30 credits of the following papers:

147.705	Education and Rehabilitation of the Visually Impaired	30	
249.744	Understanding Learners with Behaviour Difficulties	30	R 186.744
256.756	Applied Behaviour Analysis for Educators	30	R 186.756
258.720	Foundations of Literacy Education	30	R 186.720
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749, 262.749
267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

Note

In lieu of section (b) options, and with the approval of the College Pro Vice-Chancellor or nominee, a student may select papers up to 30 credits from those listed in other Masterate Schedules. Students intending to

complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.

The Endorsement Schedule (Teaching and Learning)

- (a) At least 60 credits (two papers) from the following papers:

254.702	Facing Big Questions in Education	30	R 180.702
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 180.706, 187.742, 211.735
263.701	Enhancing Teacher Learning and Mentoring	30	R 180.701
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
263.705	Assessment for Learning and Teaching	30	R 180.705
263.706	Adolescent Learning and Engagement	30	

- (b) Up to 60 credits (two papers) may be selected from Schedule (a) (ii) Coursework pathway of the Master of Education Endorsement Schedule (Teaching and Learning). Students intending to complete a master's degree must complete both 267.782 and 267.783 as part of their diploma.

Tertiary Education

- (a) At least three (90 credits) of the following papers:

273.721	Knowledge and Power in Tertiary Education	30	R 187.721
273.722	Adult Learning: Myths and Realities	30	R 187.722
273.723	Cultures and Learning: Diversity in Tertiary Education	30	R 187.723
273.724	The Expert Teacher of Adults: Principles and Practice	30	R 187.724
273.725	Leadership and Communication in Tertiary Education	30	R 187.725
273.784	Learning and Teaching in Tertiary Education	30	R 186.784, 187.784
273.785	Planning for Tertiary Learning and Teaching	30	R 187.782, 187.785

- (b) Up to 30 credits may be selected from approved papers in other Masterate Schedules. Students intending to complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.

- Candidates who successfully complete the course of study may apply for entry into the relevant degree of Master of Education, Master of Educational Administration and Leadership, Master of Educational Psychology, or the Master of Counselling Studies, providing they have at least a B grade average (Coursework pathway) or B+ (Research pathway) and meet the specified criteria for each programme.
- A candidate's course of study may not exceed four years, unless a period of suspension or extension is approved by the Academic Board.
- The diploma shall be awarded on the basis of the whole evaluation with the provision that each paper shall be at least of pass standard.

The Postgraduate Diploma in Educational Administration and Leadership PGDipEdAdminLead

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling in the PGDip in Educational Administration and Leadership candidates shall:

- have been admitted to a university degree and have been granted admission to postgraduate study as entitled to proceed to the Postgraduate Diploma in Educational Administration and Leadership;
- have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.

Course of Study

- A candidate shall follow for not less than one year a course of study comprising four papers to a value of 120 credits.
- Candidates shall pass papers from the following list to a total of at least 120 credits:
 - Two compulsory papers:

259.771	Educational Leadership in Action	30	R 187.771
259.772	Theory and Process in Educational Leadership	30	R 187.772
(b) At least one of the following papers:			
254.701	Ethics in Education	30	R 187.701
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 180.706, 187.742, 211.735
254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
257.767	Current Issues and Innovations in TESOL Leadership	30	P/C 257.766, 259.772 or PHOS; R 207.767
259.776	Gender Issues and Educational Leadership	30	R 187.776
259.777	Leadership and Learning in Diverse Contexts	30	R 187.777
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
269.711	Policy and Development in Māori Education	30	R 182.711
273.725	Leadership and Communication in Tertiary Education	30	R 187.725

- (c) Subject to the approval of the College Pro Vice-Chancellor or nominee, papers may be selected from the following to the value of 30 credits:

253.753	Guidance in Education	30	R 209.753
267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
269.732	Cultural Differences and Education	30	R 182.732

or other papers listed in other Masterate Schedules.

Note

1. Students intending to complete a Master's degree must complete both 267.782 and 267.783 as part of their diploma.
2. Candidates who successfully complete the course of study may apply for entry into the Master of Educational Administration and Leadership, providing they have at least a B grade average (Coursework pathway) or B+ (Research pathway) and meet the specified criteria for the programme.
3. A candidate's course of study may not exceed four years, unless a period of suspension or extension is approved by the Academic Board.
4. The diploma shall be awarded on the basis of the whole evaluation with the provision that each paper shall be at least of pass standard.

The Postgraduate Diploma in Educational Psychology PGDipEdPsych

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Admission to the Postgraduate Diploma in Educational Psychology shall be subject to the approval of the Academic Board.
2. Before enrolling in the Postgraduate Diploma in Educational Psychology, a candidate shall:
 - (a) have completed either a Master of Educational Psychology or a Postgraduate Certificate in Educational Psychology, or equivalent while maintaining a grade average of B+ or above; and
 - (b) have completed approved undergraduate psychology papers to the value of 45 credits with a grade average of B or above, or equivalent; and
 - (c) have participated in the Postgraduate Diploma in Educational Psychology selection process, achieved a satisfactory score on each of the specified selection criteria, and been offered a place in the programme; and
 - (d) have met all requirements as set by the New Zealand Psychologists Board for registration as an Intern Educational Psychologist.
3. Commencement in the Diploma shall be contingent on the availability of an approved internship placement.

4. To qualify for the Diploma, every candidate shall complete to the satisfaction of the Academic Board such course work as is specified in these Regulations and pass an oral and a practical examination.
5. The course for the Diploma shall comprise:
 - (a) supervised full-time practical work in one or more institutions approved for this purpose by the Academic Board. Such practical work will normally be carried out full-time for a period of one academic year, although under exceptional circumstances applications to carry out this practical work half-time over two years will be considered by the Academic Board;
 - (b) the submission for assessment of a portfolio of casework that the candidate has studied since enrolling for the Diploma; and
 - (c) such readings, seminars and other work as shall be required from time to time.
6. The following papers provide a mechanism for assessing the supervised practicum requirements:

256.841	Case Study Analyses	30	P 186.842, 256.842 or 256.844; C 186.842 and 186.843 or 256.842 or 256.844 and 256.843; R 186.841
256.843	Professional Practice Examination Process	30	P 186.842, 256.842 or 256.844; C 186.841 and 186.842 or 256.841 and 256.842 or 256.845; R 186.843
256.844	Advanced Professional Practice in Educational Psychology I	30	C 256.841; R 186.842, 256.842
256.845	Advanced Professional Practice in Educational Psychology II	30	P 256.841 and 256.844; C 256.843; R 186.842, 256.842

Note

Students must have participated in a selection process and been offered a place in the Postgraduate Diploma of Educational Psychology.

The Postgraduate Diploma in Emergency Management

PGDipEmergMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Admission to the Postgraduate Diploma in Emergency Management is open to students who have either:
 - (a) completed the Graduate Diploma in Emergency Management at an appropriate level of academic achievement; or
 - (b) completed the Graduate Certificate in Emergency Management at an appropriate level of academic achievement.

Course Requirements

2. A candidate shall follow a course of study comprising of 120 credits at 700-level including 30 credits from List A, at least 30 credits from List B, and up to 60 credits from List C.

List A, Compulsory Paper, 30 credits from:

130.705	Emergency Management	30	P Graduate status
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List B, Qualification Papers, at least 30 credits from:

130.701	Natural Hazards	30	
130.702	Coping with Disasters	30	P Graduate status

List C, Qualification Papers, up to 60 credits from:

114.731	Advanced Occupational Safety and Health	30	P Graduate status
114.773	Hazard Management	30	P Graduate status
130.701	Natural Hazards	30	
130.702	Coping with Disasters	30	P Graduate status

130.706	Emergency Management in Practice	30	
130.799	Research Report in Emergency Management	30	
131.701	Development and Underdevelopment	30	
131.702	Development Management	30	
132.735	Natural Resource Planning	30	
132.751	Natural Hazards and Resilient Communities	30	
152.702	Advanced Strategic Management	30	P Graduate status
152.707	Leading and Changing Organisations	30	P Graduate status; R 152.709, 152.705
230.703	Techniques and Methods in Evaluation Research	30	

Notes

1. Subject to approval by the Head of School, or nominee, students may substitute up to 30 credits from relevant papers at the 700-level for 30 credits of List C papers.
2. Students who have completed the GradDipEmergMgt prior to 2012 should seek advice from the Head of School, or nominee, regarding the appropriate selection of papers.

Transition Provisions

3. Candidates who have commenced study and passed at least 30 credits at 700-level towards the Graduate Diploma in Emergency Management prior to 1 January 2012, and who have achieved a Grade Point Average of 5.0 or better in those papers, may transfer to the Postgraduate Diploma in Emergency Management from 1 January 2012.
4. The provision to transfer to the Postgraduate Diploma will terminate at the end of the 2013 academic year.
5. Where a candidate exercises the transfer option, the 700-level credits achieved towards the Graduate Diploma will be transferred to the Postgraduate Diploma. The time period for eligibility for Distinction for part-time candidates may be reduced in proportion to the quantum of credit transfer.

The Postgraduate Diploma in Engineering

PGDipE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Diploma in Engineering requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) shall have been awarded or qualified for the Bachelor of Engineering with Honours or an equivalent qualification.
2. Notwithstanding Regulation 1, and at the discretion of Academic Board, candidates who have successfully completed 450 credits in the Bachelor of Engineering with Honours may be admitted into the Postgraduate Diploma in Engineering provided:
 - (a) the candidate's previous work within the Bachelor of Engineering with Honours is of a satisfactory standard; and
 - (b) the candidate enrolls for the remaining paper(s) for the Bachelor of Engineering with Honours in the first year of enrolment in the Postgraduate Diploma in Engineering.

- (c) Should the candidate not pass the remaining paper(s) for the Bachelor of Engineering with Honours in the first year of enrolment in the Postgraduate Diploma in Engineering, the Postgraduate Diploma will not be awarded and/or continuation of enrolment in the Postgraduate Diploma shall be suspended until the requirements of the Bachelor of Engineering with Honours have been met.

Qualification Requirements

3. Candidates for the Postgraduate Diploma in Engineering shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - (a) at least 120 credits at 700-level or above from the Schedule for the Qualification.

And including:

 - (b) a maximum of 45 credits derived from Special Topic papers;
 - (c) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

4. The Postgraduate Diploma in Engineering may be completed with or without an endorsement.
5. Candidates may complete an endorsement by completing at least 60 credits in an endorsement from Schedule A for the Qualification.

- Approved endorsements are: Electronics and Computer Systems Engineering, Energy Management, Mechatronics, Packaging Technology, and Renewable Energy Systems.

Student Progression

- In cases of sufficient merit, the Postgraduate Diploma in Engineering may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Endorsements

Electronics and Computer Systems Engineering

281.729	Applied Multimedia Signal Processing	15	P Graduate status and admission to programme; R 140.429, 281.429
281.748	Wireless Communications Systems	15	P Graduate status and admission to programme; R 143.448, 281.448
281.757	Advanced Micro Technologies	15	P Graduate status and admission to programme; R 143.457, 281.457
281.759	Communication Network Planning and Performance	15	P Graduate status and admission to programme; R 143.459, 281.459
281.765	Management of Information Systems and Reliability	15	P Graduate status and admission to programme; R 143.465, 281.465
281.766	Advanced Telecommunications	15	P Graduate status and admission to programme; R 143.466, 281.466
281.773	Applied Digital Image and Speech Processing	15	P Graduate status and admission to programme; R 143.473, 281.473
281.774	Advanced Computer Systems Engineering	15	P Graduate status and admission to programme; R 143.474, 281.474

Energy Management

218.744	Energy Efficient Lighting and Exterior Lighting Design	15	P Graduate status or PPD, 218.741, 218.742, 218.743; R 140.744
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757
228.766	Integrated Energy Resource Planning	15	P 142.740 or 142.741 or 228.740 or 228.741; R 142.766
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767
228.769	Energy Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769

Mechatronics

282.758	Simulation, Modelling and Optimisation	15	P Graduate status and admission to programme; R 143.458, 282.458
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282.761	Modern Multivariable Control	15	P Graduate status and admission to programme; R 143.461, 282.461
282.762	Robotics and Automation	15	P (281.384, 282.372) or Graduate status; R 143.462, 282.462
282.767	Control Systems Design	15	P Graduate status and admission to programme; R 143.467, 282.467
282.778	Mechatronics	15	P (281.384, 282.372) or Graduate status; R 143.478, 282.478

Packaging Technology

228.732	Packaging Materials	30	P Graduate status and PPD; R 183.719
228.733	Packaging Technology II	15	P Graduate status and PPD; R 183.746
228.734	Packaging Design Technology	15	P Graduate status or PPD; R 183.748
228.735	Packaging Technology III	15	P Graduate status or PPD; R 183.749
228.736	Fast-Moving Consumer Goods Packaging	15	P Graduate status and PPD; R 183.760

Renewable Energy Systems

228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R 142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767

Schedule B: Elective Papers

119.728	Research Practice	15	P Graduate status and PPD
141.706	Food Process Engineering	30	P Graduate status and PPD
141.708	Food Packaging, Preservation and Storage	15	P Graduate status and PPD; R 141.704
141.714	Practical Rheology	15	P Graduate status and PPD
216.773	Special Topic in Technology and Engineering	30	P Graduate status and PPD
216.798	Research Report	30	P Graduate status and PPD
216.799	Research Report	60	P Graduate status and PPD
228.772	Advanced Topics in Technology and Engineering	30	P Graduate status and PPD; R 140.791
228.774	Advanced Topics in Information Sciences and Technology	30	P Graduate status and PPD; R 143.760
228.791	Special Topic	15	P Graduate status and PPD
228.792	Special Topic	30	P Graduate status and PPD
280.760	Industrial Refrigeration	15	P Graduate status and PPD; R 142.760

The Postgraduate Diploma in Environmental Management

PGDipEnvMgmt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Environmental Management requires that the candidate will:
 - meet the University admission requirements as specified; and
 - shall have been awarded or qualified for the Bachelor of Environmental Management or an equivalent qualification.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Environmental Management shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits at 700-level, comprising:
 - papers selected from the Schedule to the Qualification.
 And including:
 - any compulsory papers listed in the Schedule for the Qualification;
 - at least 30 credits from each of two Options listed in the Schedule to the Qualification;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 2, and at the discretion of Academic Board, Candidates may be required to complete one or more bridging papers, 188.707 and/or 188.708, should their undergraduate qualification be deficient in environmental economics or applied science.

Specialisations

- The Postgraduate Diploma in Environmental Management is awarded without Specialisation.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Postgraduate Diploma in Environmental Management on or after 1 January 2014 must satisfy the requirements of these regulations.
- Candidates who commenced study towards the Postgraduate Diploma in Environmental Science prior to 2014, and who have successfully completed 30 credits toward the Postgraduate Diploma, may complete under the regulations in the 2013 University Calendar.
- These transition regulations expire in 2015, and candidates who have not completed by the end of 2015 must comply with these regulations.

Schedule for the Qualification

Compulsory papers (30 credits):

188.763	Advanced Environmental Management	30	P Graduate status and PPD
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Elective papers:

188.707	Introduction to Advanced Environmental Management I	15	P Graduate status and PPD
188.708	Introduction to Advanced Environmental Management II	15	P Graduate status and PPD
188.785	Special Topic	15	P Graduate status and PPD
188.786	Special Topic	30	P Graduate status and PPD

Option A: Water

145.705	Applied Geomorphology: Catchment to Coast	30	P Graduate status, plus one from 145.303, 145.304, 145.327 or equivalent
189.755	Soil and Water Pollution	30	P 189.363 or PPD, Graduate status
189.758	Advanced Soil Water Management	15	P 189.252 or PPD, Graduate status
196.712	Aquatic Ecology	30	P Graduate status and PPD

Option B: Land

119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
188.752	Land Reclamation	15	P Graduate status and PPD
189.753	Soil and Land Evaluation	30	P 189.364 or PPD, Graduate status
189.757	Advanced Soil Conservation	15	P 189.252 or PPD, Graduate status
196.713	Ecology	30	P Graduate status and PPD
196.726	Plant Ecology	30	P Graduate status and PPD
233.701	Advanced Pedology	30	P 189.364 or PPD
233.756	Environmental Geology	30	P Graduate status and PPD

Option C: Techniques and Tools

132.738	GIS Principles and Applications	30	P Graduate status
132.740	Geographic Information Systems Programming and Practice	30	P 132.738; C 132.738
152.752	Project Management	30	P Graduate status and PHOS
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
189.761	Applied Remote Sensing	30	P Graduate status and PPD
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
233.706	Environmental Geographical Information Systems	30	P Graduate status and PPD
233.707	Environmental Remote Sensing	30	P 233.301 or PPD, Graduate status
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700
238.751	Agricultural Greenhouse Gas Emission Science	15	P Graduate status and PPD

Option D: Policy and Environmental Economics

131.704	Sustainable Development	30	P Graduate status
132.735	Natural Resource Planning	30	P Graduate status
145.707	Economic Geography	30	P Graduate status
152.704	Business and Sustainability	30	P Graduate status; R 115.783
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P Graduate status and PPD
188.705	Natural Resource Policy	15	P PPD; Graduate status
228.740	Energy Policy	15	P Graduate status and PPD; R 142.740

228.766	Integrated Energy Resource Planning	15	P 142.740 or 142.741 or 228.740 or 228.741; R 142.766
235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
235.707	Maori Natural Resource Policy	30	P Graduate status and PPD

176.718	Environmental Sociology	30	P Graduate status
188.751	Advanced Zero Waste for Sustainability	30	P Graduate status and PPD; R 188.251
218.761	Design and Management of Healthy Buildings	15	P Graduate status and PPD; R 138.761
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.755	Sustainable Energy Systems and Society	15	P Graduate status or PPD

Option E: Environment and Society

132.751	Natural Hazards and Resilient Communities	30	P Graduate status
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The Postgraduate Diploma in Ergonomics PGDipErg

No new enrolments from 2011

The Postgraduate Diploma in Evaluation PGDipEval

No new enrolments from 2010

Refer to 2009 Calendar.

The Postgraduate Diploma in Fine Arts PGDipFA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

- In addition to Part I requirements admission to the Postgraduate Diploma in Fine Arts requires that the candidate must gain selection into the

course through an interview and the assessment of a portfolio of artwork prepared by the applicant.

Course of Study

- To qualify for the award of the Postgraduate Diploma in Fine Arts candidates shall pass papers to a total of at least 120 credits in accordance with the Schedule of 700-level papers for the Master of Fine Arts.

The Postgraduate Diploma in Food Technology PGDipFoodTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Structure

- The Postgraduate Diploma in Food Technology shall comprise a minimum of 120 credits.
- The programme shall consist of three parts:
 - A compulsory programme of 30 credits selected from papers listed in Schedule A;
 - A limited elective programme of 30, 45, 60, 75 or 90 credits selected from papers listed in Schedule B; and
 - Other approved paper(s) to a maximum value of 30 credits.
- Candidates who have gained at least 450 credits for the Degree of Bachelor of Food Technology (Honours) may be accepted by the Academic Board for enrolment in the Postgraduate Diploma provided:
 - that the candidate's previous work within the Bachelor's degree is of a satisfactory standard;

- that the candidate enrolls for the remaining paper or papers for the Bachelor's Degree in the first year of enrolment for the Postgraduate Diploma in Food Technology; and
- that should the candidate not pass the remaining paper or papers for the Bachelor's Degree in the first year of enrolment for the Postgraduate Diploma in Food Technology, the Diploma shall not be awarded (or the continuation of the Diploma course shall be suspended) until the requirements of the Bachelor Degree have been completed.

Schedule A

Minimum of 30 credits selected from:

141.702	Food Product and Process Development	30
141.703	Food Chemistry and Physics	30
141.706	Food Process Engineering	30

Schedule B

Limited elective papers; each student shall select a minimum of 30 and a maximum of 90 credits from the following papers:

119.728	Research Practice	15	P Graduate status and PPD
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or

119.729	Research Methods	15	Note 2. P Graduate status and PPD
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141.708	Food Packaging, Preservation and Storage	15	
141.709	Emerging Technologies for the Food Industry	15	
141.714	Practical Rheology	15	P BFoodTech(Hons), BE(Hons), BSc and PPD
141.755	Added-Value Processing of Food Products	15	P (280.201 or 141.222 or 162.212 or 162.214) and Graduate status; R 141.355
141.796	Advanced Topics in Food Engineering	15	
151.707	Food Technology/Nutrition Interface	15	P Graduate status and PPD
151.709	Biometrics for the Animal and Nutritional Science	15	
161.771	Analysis of Experiments for Researchers	15	P Graduate status and PPD; R 161.321
228.732	Packaging Materials	30	P Graduate status and PPD; R 183.719
228.733	Packaging Technology II	15	P Graduate status and PPD; R 183.746

228.734	Packaging Design Technology	15	P Graduate status or PPD; R 183.748
228.735	Packaging Technology III	15	P Graduate status or PPD; R 183.749
228.736	Fast-Moving Consumer Goods Packaging	15	P Graduate status and PPD; R 183.760
284.741	Post-harvest Physiology	30	P Graduate status and PPD; R 171.749

Notes

- 1 Not all papers will be offered every year.
- 2 Students planning to enrol in research-based postgraduate programmes are required to select 119.728.

Schedule C

Other papers to a maximum value of 45 credits may be drawn from the papers below or from other Schedules of 700-level papers within the College of Sciences.

141.716	Research Report (Food)	30	
141.794	Special Topic	15	
141.795	Special Topic	15	

The Postgraduate Diploma in Health Science PGDipHlthSc

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course of Study

1. To qualify for the award of the Postgraduate Diploma in Health Science candidates shall pass a selection of papers from the BHlthSc(Hons) Schedule to a minimum value of 120 credits.
2. The subjects of examination for the Postgraduate Diploma in Health Science are those listed in the Schedule for the BHlthSc(Hons). The Academic Board may approve an examination in a combination of these subjects. The Diploma may be awarded endorsed or unendorsed, with an endorsement in a subject requiring 90 credits or more in that subject.

The Postgraduate Diploma in Health Service Management PGDipHSM

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. Candidates shall pass papers to a total value of 120 credits as set out in the following Schedule.

60 credits from:

152.742	Health Systems Management	30	R 250.742
157.701	Health Information Management	30	R 157.711 and 157.733

and 60 credits from:

152.743	Health Policy	30	R 250.743
152.746	Contemporary Issues in Health Service Management	30	R 250.746
168.810	Health Research Design and Method	30	R 168.710
178.718	Health Economics	30	

Or a maximum of 30 credits of other approved 700-level papers.

The Postgraduate Diploma in Industrial/Organisational Psychology PGDipl/OPsych

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Before enrolment for this Diploma, a candidate will seek approval of the Head of School.

Eligibility

1. Before enrolling a candidate shall:
 - (a) have qualified for a Masters or Doctoral degree specialising in I/O Psychology from a New Zealand tertiary institution or similarly recognised institution overseas. Normally this prerequisite degree will include papers in I/O Psychology and I/O Psychology-related topics, and/or a thesis related to I/O Psychology; and
 - (b) be in paid or unpaid employment in an organisation where their activities require them to engage in significant I/O Psychology issues. This is determined by the Head of School from the job description, to

be provided by the student on the employer's letterhead and signed by an executive-level or human resources manager. All candidates are required to supply this prior to enrolment.

2. Criteria for approval for admission to the Diploma will be:
 - (a) the relevance and standard of the candidate's post-graduate studies;
 - (b) current and ongoing psychology-related employment. Presentation of a letter, from an organisation approved by the Head of School, stating that the candidate is currently employed in a position in which the practice of I/O Psychology is a significant component. This letter is to be signed by the workplace manager who is supporting the enrolment.

Course of Study

3. A candidate shall follow an approved course of study for the equivalent of one academic year's full-time study and not more than three years' part-time study.
4. To qualify for the award of the Diploma, every candidate shall:

- (a) pass the following papers: 175.821 Professional Issues in the Practice of I/O Psychology and 175.822 Practicum in I/O Psychology;
 - (b) produce evidence to the Academic Board of the specified period of approved practical work in the form of an employer's certificate of performance. This is to be provided prior to the examination in 175.822 and is intended to confirm that the candidate has completed the equivalent of one year of full-time work.
5. The course of the Diploma consists of the following compulsory papers to a total value of 120 credits:

175.821	Professional Issues in the Practice of Industrial/Organisational Psychology	60
175.822	Practicum in Industrial/Organisational Psychology	60

6. A candidate must pass all components leading to this Diploma.
7. In the event of a change in employment status that may adversely affect the programme of study, the candidate may apply for a suspension of enrolment.

The Postgraduate Diploma in Information Sciences PGDipInfSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Diploma in Information Sciences requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) shall have been awarded or qualified for the Bachelor of Information Sciences, or an equivalent qualification, having achieved a B grade average over the 300-level majoring papers.

Qualification Requirements

2. Candidates for the Postgraduate Diploma in Information Sciences shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - (a) 120 credits at 700-level selected from the Schedule for the Qualification; and including:
 - (b) attending workshops, block courses, tutorials, and laboratories as required.

Specialisations

3. The Postgraduate Diploma in Information Sciences may be awarded with or without an endorsement.
4. Candidates may complete an endorsement by successfully completing at least 75 credits in an endorsement.
5. Approved subject endorsements are: Computer Science, Information Technology and Software Engineering.
6. Approved Joint Subject endorsement is Software Engineering.

Student Progression

7. In cases of sufficient merit, the Postgraduate Diploma in Information Sciences may be awarded with distinction or merit.

Completion Requirements

8. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
9. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the

Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

10. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Computer Science

159.702	Knowledge Engineering	15	P Graduate status and PPD
159.703	Advanced Computer Systems	15	P Graduate status and PPD
159.704	Systems Programming	15	P Graduate status and PPD
159.707	Advanced Software Design and Construction	15	P Graduate status and PPD
159.709	Computer Graphics	15	P Graduate status and PPD
159.710	User Interface Design	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.733	Studies in the Practice of Computing	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD
159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD
159.740	Studies in Intelligent Systems	15	P Graduate status and PPD
159.741	Intelligent Robotics	15	P Graduate status and PPD

Information Technology

158.729	Socio-technical System Design and Evaluation	15	P Graduate status and PPD
158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.750	Information Sciences Research Methods	15	P Graduate status and PPD; R157.750
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757

158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.759	Emerging Issues in E-Health	15	P Graduate status and PPD
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762

Software Engineering

Computer Science component (60 credits):

159.709	Computer Graphics	15	P Graduate status and PPD
159.731	Studies in Computer Vision	15	P Graduate status and PPD
159.732	Studies in Computer Programming	15	P Graduate status and PPD
159.734	Studies in Machine Learning	15	P Graduate status and PPD
159.735	Studies in Parallel and Distributed Systems	15	P Graduate status and PPD
159.736	Studies in Operating Systems and Architecture	15	P Graduate status and PPD

159.737	Studies in Compilers and Grammars	15	P Graduate status and PPD
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Information Technology component (60 credits):

158.738	Implementation and Management of Systems Security	15	P Graduate status and PPD; R157.738
158.751	Object-Oriented Software Development – Theory and Practice	15	P Graduate status and PPD; R157.751
158.752	Agile Software Engineering	15	P Graduate status and PPD
158.753	Rapid Application Development	15	P Graduate status and PPD; R157.753
158.757	User Interface Design and Evaluation	15	P Graduate status and PPD; R157.757
158.758	Mobile Systems Development	15	P Graduate status and PPD; R157.758
158.762	Software Quality and Reliability	15	P Graduate status and PPD; R157.762

The Postgraduate Diploma in International Development PGDiplntDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in International Development requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for a Bachelor of Arts with a major in Development Studies, or equivalent; or
 - have been awarded or qualified for any Bachelor's degree and have industry experience of an appropriate kind and duration.

Qualification Requirements

- Candidates for the Postgraduate Diploma in International Development shall follow a flexible course of study, which shall consist of papers totalling at least 120credits at 700-level, comprising:
 - papers selected from the schedule to the diploma; and including
 - any compulsory papers.

Specialisations

- The Postgraduate Diploma in International Development is awarded without a specialisation.

Student Progression

- In cases of sufficient merit, the Postgraduate Diploma in International Development may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation, may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in International Development should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Compulsory papers (60 credits):

131.701	Development and Underdevelopment	30	P Graduate status
131.702	Development Management	30	P Graduate status

Subject papers (60 credits):

131.703	Gender and Development	30	P Graduate status
131.704	Sustainable Development	30	P Graduate status
131.706	Globalisation and Development	30	P Graduate status
131.707	Development Research Design	30	R 131.705
131.708	Development Practicum	30	P 131.701 or 131.702; or PHOS

The Postgraduate Diploma in International Security PGDiplntISy

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling in the course for the Postgraduate Diploma in International Security candidates shall:
 - have completed a relevant bachelor's degree; or
 - be able to demonstrate scholarly work in conjunction with extensive relevant professional experience appropriate for Admission with Equivalent Status.

Course requirements

- Candidates will be required to pass an approved course of study (120 credits) that includes:
 - 149.720 International Security;
 - at least 60 credits from Part A; and

(c) up to 30 credits from Part B (should a candidate not wish to complete credits from Part B then 90 credits from Part A will be required).

- In exceptional circumstances and with the permission of the PVC or nominee, students who have passed 149.821 from the Master of International Security schedule while attending either the New Zealand Defence Force Command and Staff College or the Royal Brunei Armed Forces Command and Staff College may substitute paper 149.821 for 30 credits of Part A papers and 30 credits of Part A or Part B papers.

Compulsory paper:

149.720	International Security	30	P Graduate status or equivalent
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Part A

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.715	The Brunei Strategic Environment	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.740	Security and Crime	30	P Graduate status or equivalent

149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.745	Crime Science	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.790	Research Methods in Defence and Security Studies	30	
149.795	The Cyber Security Environment	30	P Graduate status or equivalent

Part B

130.702	Coping with Disasters	30	P Graduate status
130.705	Emergency Management	30	P Graduate status
134.703	Ethics of War and Peace	30	P Graduate status
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
230.702	Professional Evaluation Practice	30	P Graduate status; R 179.752
240.757	Logistics in Humanitarian Aid Projects	15	P Graduate status and PPD
240.791	Special Topic	15	P Graduate status and PAD

Endorsements

- An endorsement in Intelligence is available. As part of the requirements outlined above, candidates seeking the endorsement in Intelligence must complete at least 60 credits from 149.740, 149.741, or 149.744.

The Postgraduate Diploma in Journalism PGDipJ

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the Postgraduate Diploma in Journalism (120 credits) is open to candidates who have:
 - completed a Bachelor's degree or equivalent, with at least a B grade average in the 300-level majoring papers or equivalent; and
 - been selected into the programme on the basis of a written application and interview.
- Candidates whose first language is not English, and who have not gained a New Zealand university entrance qualification, or an overseas entrance

qualification in a country where the main language is English, will be required to provide satisfactory evidence of their proficiency in English in the form of an academic IELTS with a minimum score of seven in all bands, or an equivalent TOEFL score, or other such evidence that is acceptable to Academic Board.

Course Requirements

- To qualify for the award of the Diploma every candidate shall successfully complete:

219.711	Shorthand	0
219.712	Print News Journalism	30
219.713	Multi-media Journalism	30
219.714	Media Law, Ethics and Workplace Practice	30
219.715	Research Methods in Journalism	30

All five papers are co-requisites for each other and must be undertaken simultaneously as full-time, double-semester papers.

The Postgraduate Diploma in Literacy Education PGDipLitEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Candidates for the Postgraduate Diploma in Literacy Education (PGDipLitEd) must have:
 - (i) a Bachelor of Education or a Bachelor of Teaching, or an Advanced Diploma of Teaching;
 - (ii) a degree and a recognised teaching qualification of at least one year's duration; and

- (iii) been granted admission to postgraduate study as entitled to enrol for the Postgraduate Diploma in Literacy Education; and
 - been accepted as a candidate by the College Pro Vice-Chancellor or nominee.
- The programme of study for the postgraduate diploma shall comprise four 700-level papers as prescribed below.
 - To qualify for the Postgraduate Diploma in Literacy Education a candidate must pass 120 credits from the following schedules:
 - Two compulsory papers (60 credits):

258.720	Foundations of Literacy Education	30	R 186.720
258.722	The Nature, Prevention and Remediation of Literacy Learning Difficulties	30	R 186.722

(b) One of the following paper (30 credits):

258.721	Teaching Students with Literacy Learning Difficulties	30	R 186.721
258.723	Teaching Writing in the Classroom	30	

(c) Both of the following papers (30 credits):

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788

- Candidates who successfully complete the course of study may apply for entry into the relevant degree of either Master of Education (MEd) or Master of Literacy Education (MLitEd), providing they have at least a B grade average (Coursework pathway) or B+ grade average (Research pathway).
- A candidate's course of study may not exceed four years, unless a period of suspension or extension is approved by the Academic Board.
- The Diploma shall be awarded on the basis of the whole evaluation with the provision that each paper shall be at least of pass standard.

The Postgraduate Diploma in Logistics and Supply Chain Management PGDipL&SCM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Logistics and Supply Chain Management requires that the candidate will:
 - meet the University admission requirements as specified, and
 - have been awarded or qualified for a university Bachelor's degree with a major in Logistics and Supply Chain Management, or an equivalent qualification, having achieved a B grade average or higher, over the qualifying 300-level papers;
 or shall have:
 - been awarded or qualified for a Graduate Diploma in Logistics and Supply Chain Management, or an equivalent qualification; having achieved a B grade average or higher, over the qualification;
 - completed a minimum of 5 years of relevant professional experience, or equivalent.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Logistics and Supply Chain Management shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits at 700-level, comprising:
 - papers selected from the Schedule to the Qualification; and including:
 - any compulsory papers listed in the Schedule for the Qualification;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Postgraduate Diploma in Logistics and Supply Chain Management is awarded without Specialisation.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates who commencing study towards the Postgraduate Diploma in Logistics and Supply Chain Management on or after 1 January 2015 must satisfy the requirements as specified in these regulations.
- Candidates who commenced study towards the Postgraduate Diploma in Logistics and Supply Chain Management prior to 2015, and who have successfully completed 30 credits toward the Diploma, may complete under the regulations as specified in the 2014 University Calendar.
- These transition regulations expire in 2016, and candidates who have not completed by the end of 2016 must satisfy the requirements as specified in these regulations.

Schedule for the Qualification

Compulsory papers (75 credits):

240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752
240.753	Supply Chain Systems Analysis	15	P Graduate status and PAD
240.755	Executive Supply Chain Management	30	P Graduate status and PAD; R 112.751

Elective papers (45 credits):

240.754	Supply Chain Optimisation	15	P Graduate status and PAD
240.756	Value Chain Management	15	P Graduate status
240.757	Logistics and Humanitarian Aid Projects	15	P Graduate status and PPD
240.758	Research Methods in Supply Chain Management	30	P Graduate status
240.791	Special Topic	15	P Graduate status and PAD
240.792	Special Topic	30	P Graduate status and PAD
287.730	Quality Management	30	R 143.719
287.735	Quality Improvement	15	R 143.785
287.736	Service Quality	15	R 143.786
287.738	Quality and Production	15	R 143.788
112.702	International Agri-Food Marketing Strategies	15	P Graduate status
152.761	Advanced International Business	30	P Graduate status
152.752	Project Management	30	P Graduate status

The Postgraduate Diploma in Māori Resource and Environmental Management

PGDipMāoriResEnvMgmt

Students previously enrolled in the Postgraduate Diploma in Māori Resource Development prior to 2005 may elect to transfer to the Postgraduate Diploma in Māori Resource and Environmental Management with full transfer of credit for papers already passed. Please contact the Academic Director, College of Sciences for programme approval.

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

1. The course of study for the Postgraduate Diploma in Māori Resource and Environmental Management shall consist of a minimum of 120 credits in papers at the 700-level or above.

- (a) Core papers to the value of 60 credits selected from the following schedule including 235.701 Māori Values and Resource Management:

235.701	Māori Values and Resource Management	15	P Graduate status and PPD; R 188.704
235.702	Māori Resource and Environmental Management – Whenua	15	P Graduate status and PPD
235.703	Māori Resource and Environmental Management – Fresh Water	15	P Graduate status and PPD
235.704	Māori Resource and Environmental Management – Flora and Fauna	15	P Graduate status and PPD
235.705	Māori Resource and Environmental Management – Foreshore and Oceans	15	P Graduate status and PPD
235.706	Maara Kai – Traditional and Contemporary Māori Food Production	15	P Graduate status and PPD
235.707	Māori Natural Resource Policy	30	P Graduate status and PPD

- (b) Approved electives to the value of 60 credits selected from the following schedule:

119.751	Advanced Farm and Horticultural Management	30	Graduate status, 119.381, 119.382, 119.358 or PPD; R 111.752
119.731	Topics in Agricultural Extension and Consultancy	15	P Graduate status, PPD; R 111.755

119.715	Sustainable Agricultural Systems	15	P Graduate status and PPD; R 111.756
112.748	Advanced Food and Agribusiness Strategies	30	P Graduate status and PPD
119.729	Research Methods	15	P Graduate status and PPD
131.701	Development and Underdevelopment	30	
131.702	Development Management	30	
132.730	Policy Analysis and Evaluation Techniques	30	
132.735	Natural Resource Planning	30	
141.702	Food Product and Process Development	30	
150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.714	Ta Te Māori Rangahau Korero: Māori Research Methodologies	30	
152.701	Advanced Management	30	
152.702	Advanced Strategic Management	30	
152.781	Advanced Research Methods in Business	30	
178.762	Natural Resource and Environmental Economics for Non-Economists	30	
188.705	Natural Resource Policy	15	P PPD; Graduate status
188.763	Advanced Environmental Management	30	P PPD; Graduate status
196.712	Aquatic Ecology	30	P Graduate status and PPD
232.701	Conservation Biology	30	P Graduate status and PPD
232.703	Wildlife Management	30	P Graduate status and PPD; C 232.701 or 196.713
235.790	Special Topic	15	P Graduate status and PPD
235.791	Special Topic	15	P Graduate status and PPD
235.792	Special Topic	30	P Graduate status and PPD
235.799	Research Report	30	P Graduate status and PPD

or alternative papers including a Special Topic or Research Report as approved by the Programme Director.

Notes

- Candidates who have already passed a university examination in one of the core papers may be allowed to offer for approval another paper which they have not already passed.
- Where a course of study includes a paper for which prerequisites or corequisites are listed in the Calendar, candidates must fulfil the special requirements unless exemption is formally approved.

The Postgraduate Diploma in Māori Visual Arts

PGDipMVA

The Postgraduate Diploma in Māori Visual Arts offers a qualification for students who have a degree or can demonstrate an appropriate qualification.

Note: Students intending to enrol for papers in Māori Visual Arts should consult with the Head of School.

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

1. A candidate shall follow an approved course of study of not less than one year of full-time study and not more than three years' part-time study.

2. Candidates are eligible to enrol in 150.720 Rangahau Whakairo: Pre-Thesis Practicum if they are able to demonstrate a minimum of ten years' exhibition or commission experience.

Either

150.707	Te Tataitanga Matatau: Advanced Studio Practice	90	
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and 30 credits from the Schedule of papers below;

or

150.720	Rangahau Whakairo: Pre-thesis Practicum	120	
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Schedule of papers

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
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150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30
150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30

150.715	Taonga Tuku Iho: Heritage Aotearoa	30
167.742	Collection Management	30
167.743	Museum Management	30
167.744	Museums and the Public	30

The Postgraduate Diploma in Museum Studies

PGDipMusStud

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

To qualify for the award of the Diploma a candidate shall pass papers to a total of at least 120 credits from the following list, including 150.715 and at least 60 credits from 167.742, 167.743, 167.744:

150.715	Taonga Tuku Iho: Heritage Aotearoa	30
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167.742	Collection Management	30
167.743	Museum Management	30
167.744	Museums and the Public	30
	An approved paper from another discipline	30

Notes

1. Extramural tuition will be provided in sufficient papers each year to enable the completion of a Diploma within the normal period.
2. Candidates with less than three years' full-time museum experience would normally be expected to complete 150.715, 167.742, 167.743, 167.744.

The Postgraduate Diploma in Nursing

PGDipNurs

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolling for the Postgraduate Diploma in Nursing candidates shall be registered nurses, normally holding a current practising certificate from the Nursing Council of New Zealand and have satisfied the Academic Board that they have sufficient professional experience and suitability to be likely to benefit from the course.

Course of Study

2. A candidate shall follow a course of study comprising papers to the value of 120 credits selected from those listed for the Master of Nursing degree.
3. The Postgraduate Diploma is normally awarded without endorsement. The course of Study must include at least one of the following papers:

168.733	Physiology and Pathophysiology	30
168.810	Health Research Design and Method	30

Endorsement

4. The Postgraduate Diploma is also available with a Neonatal endorsement. The course of study for the Neonatal endorsement must include all of the following papers:

168.725	Neonatal Science and Clinical Care of the Neonate I	30
168.726	Neonatal Science and Clinical Care of the Neonate II	30
168.729	Neonatal and Family Assessment and Practice	30

plus 30 credits from the Master of Nursing schedule.

Time Limits

5. A candidate must satisfy all requirements for the Postgraduate Diploma within three years of first enrolment in the programme.

Recognition of Prior Learning

6. A candidate who has been awarded the Massey University Postgraduate Certificate in Nursing or its equivalent from another tertiary institution may apply to cross-credit up to 30 credits to the Postgraduate Diploma in Nursing.
7. A candidate enrolled for the Postgraduate Certificate in Nursing who has not been awarded the Certificate may, on transferring to the course of the Postgraduate Diploma in Nursing, transfer the papers completed while enrolled in the Postgraduate Certificate in Nursing. For such candidates, the Course Regulations for the Postgraduate Diploma in Nursing shall be deemed to apply as from the date of their enrolling for the Postgraduate Certificate in Nursing.

The Postgraduate Diploma in Planning

PGDipPlan

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. To qualify for the award of the Postgraduate Diploma in Planning, a candidate shall pass papers at 700-level to a total of at least 120 credits. All 120 credits must be taken from the Schedule for the Master of Resource and Environmental Planning degree including at least one of 132.731, 132.732 or 132.736.

Progression to Further Study

2. A candidate who has completed the requirements for the Postgraduate Diploma in Planning may apply to transfer papers towards a postgraduate degree of the University, provided that any such papers shall comply with the Regulations for the particular qualification.

3. A candidate who has been awarded a Postgraduate Diploma in Planning and who subsequently enrolls for the Master of Resource and Environmental Planning may surrender the Postgraduate Diploma. All papers completed as part of the Postgraduate Diploma in Planning will then be transferred to the Master of Resource and Environmental Planning.

The Postgraduate Diploma in Psychological Practice PGDipPsychPrac

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Further to the Generic Postgraduate Part I Regulations 1(a)(i)–(iii) and subject to the Regulations for Admission with Equivalent Status, a candidate for the Postgraduate Diploma in Psychological Practice shall, before enrolment, have fulfilled the following requirements:
 - (a) Have qualified for a Master’s or Doctoral degree specialising in psychology which is approved as meeting Psychology Board Accreditation Standards.
 - (b) Be in employment (paid or unpaid) in a work place where their activities require them to engage in psychologically-based practice, and where the organisation has agreed that 1500 hours during one year (or not more than two years’ part-time study) be designated as trainee hours. This will be determined from the job description, to be provided by the student on the employer’s letterhead signed by a manager or equivalent. All candidates are required to supply this prior to enrolment.
 - (c) Have arranged for approved supervision in the field.
 - (d) Meets the requirements set down by the Health Practitioners Competency Assurance Act 2003 that the person is of good character and reputation and is a fit and proper person to be registered. References will be required as part of the application process.

Course Requirements

2. To qualify for the award of the Diploma, every candidate shall:
 - (a) Pass the following papers: 175.851 and 175.852, Advanced Professional Issues in the Practice of Psychology Parts I and II; and 175.853 and 175.854, Practicum in Psychological Practice Parts I and II.
 - (b) Produce evidence to the Academic Board of the specified period of approved practical work in the form of an employer’s certificate of performance. This is to be provided prior to the examination in 175.852, and is intended to confirm that the candidate has completed the equivalent of one year of full-time work.
3. The course of the Diploma consists of the following compulsory papers to a total value of 120 credits:

175.851	Advanced Professional Issues in Psychological Practice Part I	30	C 175.853
175.852	Advanced Professional Issues in Psychological Practice Part II	30	C 174.854
175.853	Practicum in Psychological Practice Part I	30	C 175.851
175.854	Practicum in Psychological Practice Part II	30	C 175.852

4. A candidate must pass all components leading to this Diploma.
5. In the event of a change in employment status that may adversely affect the programme of study, the candidate may apply for a suspension of enrolment.

Note: While the University will endeavour to meet the general terms and requirements of the New Zealand Psychologists Board in good faith, the final decision for registration is at the discretion of the Psychologists Board.

The Postgraduate Diploma in Public Health PGDipPH

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

Before enrolment for this Diploma a candidate will seek approval of the Head of School.

1. A candidate shall follow an approved course of study for the equivalent of one year full-time study, and not more than four years’ part-time study.
2. To qualify for the award of the Diploma every candidate shall normally pass a selection of papers in Public Health at the 700-level to a total of at least 120 credits, and complete practical work as appropriate.

The following paper is compulsory (Schedule A):

231.701	Theory and Practice of Public Health	30	
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At least 30 credits from the following (Schedule B):

231.703	Epidemiology and Biostatistics	30	P 231.701
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231.799	Research Report (30)	30	P 231.701 and one of 231.703, 231.704, 231.705, 231.706, 231.707, 231.708, 176.714, or 178.718
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At least 30 credits must be taken from (Schedule C):

178.718	Health Economics	30	
231.703	Epidemiology and Biostatistics	30	P 231.701
231.704	Māori Health	30	P 231.701
231.705	Pacific Health	30	P 231.701
231.706	Occupational Health	30	P 231.701
231.707	Environmental Health	30	P 231.701
231.708	Programme Evaluation	30	P 231.701

231.799	Research Report (30)	30	P 231.701 and one of 231.703, 231.704, 231.705, 231.706, 231.707, 231.708, 176.714, or 178.718
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A maximum of 30 credits can be taken from the following papers Schedule D:

114.731	Advanced Occupational Safety and Health	30	P Graduate Status
114.772	Advanced Occupational Hygiene	30	P Graduate Status
114.773	Hazard Management	30	P Graduate Status
132.734	Urban Planning and Development	30	
132.738	GIS Principles and Applications	30	

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.702	Mauri Ora: Māori Mental Health	30	
150.714	Ta Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
151.716	Advanced Nutrition and Disease	15	P 151.333. Graduate Status and Permission PD; R 151.714
151.717	Selected Topics in Public Health Nutrition	15	
152.742	Health Systems Management	30	P Graduate Status; R 250.742
152.743	Health Policy	30	P Graduate Status; R 250.743
152.746	Contemporary Issues in Health Service Management	30	P Graduate Status; R 250.746
168.732	Personal and Community Health	30	
175.739	Health Psychology: Understanding Health and Illness	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
176.702	Advanced Social Inquiry	30	
176.718	Environmental Sociology	30	
179.702	Advanced Research Methods	30	
179.778	Mental Health and Social Work	30	
179.783	Māori Development and the Social Services	30	
168.810	Health Research Design and Method	30	
279.703	Social Policy Studies	30	R 179.703
252.701	Sleep and Circadian Science for Health Practitioners	30	P Postgraduate Status; R 252.702
252.702	Sleep, Fatigue Risk Management and Occupational Safety and Health	30	P Postgraduate Status; R 252.701

Note

Not all papers may be available in any given year.

The Postgraduate Diploma in Quality Systems PGDipQS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates, unless otherwise stated in Part II below.

Part II

- To qualify for the award of the Postgraduate Diploma in Quality Systems, a candidate must have completed a course of study totalling at least 120 credits, comprising:

287.730	Quality Management	30	P Graduate status and PPD; R 143.719
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OR

287.733	Quality Management for Medical Laboratories	30	P Graduate status and PPD; R 143.796
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AND

287.732	Quality Assurance Project	30	P Graduate status and PPD; R 143.729
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Plus 60 credits taken from:

287.731	Statistical Methods for Quality	30	P Graduate status and PPD; R 143.709
287.735	Quality Improvement	15	P Graduate status and PPD; R 143.785
287.736	Service Quality	15	P Graduate status and PPD; R 143.786
287.737	Quality and People	15	P Graduate status and PPD; R 143.787
287.738	Quality and Production	15	P Graduate status and PPD; R 143.788
240.753	Supply Chain System Analysis	15	P Graduate status and PPD
240.754	Supply Chain Optimisation	15	P Graduate status and PPD
287.703	Product Development Management	30	P Graduate status and PPD; R 183.703
240.752	Integrated Logistics	30	P Graduate status and PPD; R 112.752
xxx.7xx	Approved 700-level Massey elective(s) up to 30 credits value		

- Students whose work is of outstanding merit throughout the course shall, on the recommendation of the examiners and Academic Board, be awarded the Diploma with Distinction.

The Postgraduate Diploma in Rehabilitation PGDipRehab

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Rehabilitation requires that the candidate will:
 - meet the University admission requirements as specified, and;
 - have been awarded or qualified for a bachelors degree or an equivalent qualification.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Rehabilitation shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits at 700-level, comprising:
 - papers selected from the Schedule to the Qualification.
 - the compulsory papers listed on the Schedule to the Qualification.
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Postgraduate Diploma in Rehabilitation is awarded with or without endorsement.
- Candidates may complete an endorsement by passing at least 150 credits in a specialisation at 700-level. The requirements for each endorsement are set out in Schedule B for the Qualification.
- Approved endorsements are: Rehabilitation Counselling, and Rehabilitation of the Visually Impaired.

Student Progression

- In cases of sufficient merit, the Postgraduate Diploma in Rehabilitation may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for postgraduate degrees, postgraduate diplomas and postgraduate certificates will apply.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part A: Without Endorsement

Compulsory paper (30 credits):

147.701	Rehabilitation Theory and Practice	30	P Graduate Status
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90 credits from:

147.702	Rehabilitation Counselling	30	P Graduate Status
147.703	Vocational Rehabilitation	30	P Graduate Status
147.704	Drugs and Society	30	P Graduate Status
147.705	Education and Rehabilitation of the Visually Impaired	30	P Graduate Status
147.706	Adaptive Communication and Independent Living Skills	30	P Graduate Status
147.709	Rehabilitation Practicum	30	P Graduate Status. Students are expected to have completed 147.701 and at least one other paper relevant to the chosen field of rehabilitation; R Enrolment in a practicum is normally restricted to students specialising in a particular field of rehabilitation
147.712	Coexisting Substance Use and Mental Health Problems	30	P 147.704 or PHOS; C 147.704
147.791	Special Topic 1	30	P Graduate Status
150.702	Mauri Ora: Māori Mental Health	30	P Graduate Status
168.732	Personal and Community Health	30	P Graduate Status
168.810	Health Research Design and Method	30	P Graduate Status; R 168.710
179.702	Advanced Research Methods	30	P Graduate Status plus 179.202 or equivalent Social Science research paper; R 179.766
179.773	Disability Studies	30	P Graduate Status
179.777	Disability, Consumer Rights and Advocacy	30	P Graduate Status

Part B: Endorsements

Rehabilitation Counselling (no new enrolments 2015)

Compulsory papers (120 credits from):

147.701	Rehabilitation Theory and Practice	30	P Graduate Status
147.702	Rehabilitation Counselling	30	P Graduate Status
147.703	Vocational Rehabilitation	30	P Graduate Status
147.709	Rehabilitation Practicum	30	P Graduate Status. Students are expected to have completed 147.701 and at least one other paper relevant to the chosen field of rehabilitation; R Enrolment in a practicum is normally restricted to students specialising in a particular field of rehabilitation.

30 credits from:

147.704	Drugs and Society	30	P Graduate Status
147.705	Education and Rehabilitation of the Visually Impaired	30	P Graduate Status
168.732	Personal and Community Health	30	P Graduate Status
168.810	Health Research Design and Method	30	P Graduate Status; R 168.710

Rehabilitation of the Visually Impaired (no new enrolments 2015)

Compulsory papers (90 credits from):

147.701	Rehabilitation Theory and Practice	30	P Graduate Status
147.705	Education and Rehabilitation of the Visually Impaired	30	P Graduate Status
147.709	Rehabilitation Practicum	30	P Graduate Status. Students are expected to have completed 147.701 and at least one other paper relevant to the chosen field of rehabilitation; R Enrolment in a practicum is normally restricted to students specialising in a particular field of rehabilitation

60 credits from:

147.703	Vocational Rehabilitation	30	P Graduate Status
147.706	Adaptive Communication and Independent Living Skills	30	P Graduate Status; R This paper is only available to students specialising in the rehabilitation of the visually impaired
147.707	Orientation and Mobility	30	P Graduate Status; R This paper is only available to students specialising in the rehabilitation of the visually impaired

The Postgraduate Diploma in Science PGDipSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Structure

- The Postgraduate Diploma in Science shall comprise a minimum of 120 credits. Papers may be selected from one or more of the subjects listed in the Schedule for the Master of Science degree Regulations and may include a 30-credit Research Report and/or a maximum of 45 credits derived from Special Topic papers. Up to 30 credits may be approved from papers chosen from Schedules from other postgraduate programmes.
- Candidates who have gained at least 330 credits for the Degree of Bachelor of Science (including at least 60 credits at 300-level in the majoring subject) may be accepted by the Academic Board for enrolment in the Diploma provided that:

- the candidate's previous work within the Bachelor's degree is of a satisfactory standard;
- the candidate enrolls for the remaining paper or papers for the Bachelor's Degree in the first year of enrolment for the Postgraduate Diploma in Science; and
- should the candidate not pass the remaining paper or papers for the Bachelor's Degree in the first year of enrolment for the Postgraduate Diploma in Science, the Diploma shall not be awarded (or the continuation of the Diploma course shall be suspended) until requirements of the Bachelor's Degree have been completed.

Subjects and Endorsements

- The subjects of examination for the Postgraduate Diploma in Science are those listed in the Schedule for the Degree of Master of Science. The Academic Board may approve an examination in a combination of these subjects. The Diploma may be awarded endorsed or unendorsed with an endorsement requiring 60 credits or more in a subject.

The Postgraduate Diploma in Second Language Teaching PGDipSLT

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

1. Candidates for the Diploma in Second Language Teaching shall, before enrolling in the course:
 - (a) In the case of a teacher of a language other than English, have been credited with 30 credits at degree level, 15 of them at the 200-level in that language, or submit evidence that an equivalent academic level has been attained; and
 - (b) have at least one year of teaching experience in a relevant field.

Course Requirements

2. To qualify for the Diploma candidates shall have passed the following papers:

272.701	Language Awareness and Language Issues	30	R 172.701
272.702	The Second Language Learning Process	30	R 172.702
272.703	The Methodology of Second Language Teaching	30	R 172.703
272.704	Curriculum and Materials Design	30	P Graduate status and 272.703; C 272.703; R 172.704

Notes

1. Candidates may, in special cases, substitute 272.799 Research Report (30) for one of the papers in Regulation 2 with the prior approval of the Head of School.
2. The Report shall embody an investigation of an aspect of second language learning or teaching. The subject of the investigation shall be approved by the Head of School and the results of the investigation shall be submitted in written form.

The Postgraduate Diploma in Social Sector Evaluation Research PGDipSSER

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Duration

1. This course is designed as a part-time extramural study programme.

Course Requirements

2. To qualify for the Postgraduate Diploma in Social Sector Evaluation Research, a candidate shall pass all of the following papers:

230.701	Evaluation: Theory and Principles	30	R 179.751
230.702	Professional Evaluation Practice	30	P Graduate status; R 179.752

230.703	Techniques and Methods in Evaluation Research	30	R 179.753
Plus a further 30 credits selected from the following papers:			
132.730	Policy Analysis and Evaluation Techniques	30	
178.762	Natural Resource and Environmental Economics for Non-Economists	30	
231.708	Programme Evaluation	30	
279.703	Social Policy Studies	30	R 179.704

Or an elective paper(s) to the value of 30 credits approved by the Head of School or Programme Director.

Note

Not all papers listed will be available in any given year.

The Postgraduate Diploma in Social Service Supervision PGDipSSS

The Postgraduate Diploma in Social Service Supervision offers an advanced qualification for professionally qualified social and community workers who have achieved a high level of professional competence and who are supervising social and community work practitioners and/or social work students on field work placements.

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Duration

1. This course is designed as a part-time extramural study programme.

Course Requirements

2. To qualify for a Diploma in Social Service Supervision, a candidate shall pass all of the following papers:

179.740	Social Service Supervision: Theory and Practice	30	
179.741	Social Service Management	30	
179.742	Learning in Social Service Supervision	30	
179.743	Clinical Supervision	30	P 179.740

Notes

1. Papers offered will be available subject to sufficient enrolments.
2. If a candidate has previously completed papers equivalent in content to any of these papers, then the student may apply for an exemption from that paper and enrol in another 30-credit paper with the approval of the Head of School.

Restrictions

3. Should restrictions be necessary, University Regulations will be followed.

The Postgraduate Diploma in Specialist Teaching

PGDipSpecTchg

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Specialist Teaching requires that the candidate will:
 - meet the University admission requirements;
 - hold a relevant professional qualification;
 - have either:
 - qualified for any degree of a New Zealand university, or equivalent; or
 - provided evidence of sufficient practical/professional experience of an acceptable standard in an area relevant to the qualification;
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.
- Candidates who do not hold current New Zealand professional Registration will be required to undergo police vetting prior to gaining entry into the programme. Such candidates must meet requirements equivalent to those set down by the New Zealand Teachers Council for registration as a teacher in terms of character and fitness to be a teacher.
- All international candidates and others whose first language is not English who have not gained a New Zealand university entrance qualification, or an overseas entrance qualification in a country where the main language is English, will be required to provide evidence of their proficiency in English in the form of an academic IELTS (International English Language Testing System) score of 7.0 with no band less than 7.0 (or the equivalent TOEFL score) or other evidence that is acceptable to Academic Board.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Specialist Teaching shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - one core paper as listed in Schedule A for the qualification (30 credits);
 - three papers for one endorsement as listed in Schedule B for the qualification (90 credits).

Specialisations

- Candidates must complete one endorsement by completing the requirements for that endorsement as set out in Part B of the Schedule for the Qualification.

Academic Requirements

- There are no additional academic requirements for this qualification.

Student Progression

- There are no additional progression requirements for this qualification.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Any candidate who has previously been awarded a Postgraduate Certificate in Specialist Teaching must surrender that qualification in order to be eligible for the award of the Postgraduate Diploma in Specialist Teaching. Time limits for completion and for the award of distinction will apply from the time that the candidate first enrolled in a paper credited towards the diploma.

- In order to graduate with the Postgraduate Diploma in Specialist Teaching endorsed in Blind and Low Vision a candidate must pass the Trans-Tasman Braille Proficiency Examination.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Specialist Teaching should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.
- For candidates enrolled in the Postgraduate Diploma in Specialist Teaching failure to complete a paper in two successive attempts will lead to exclusion from the qualification.

Transitional Provisions

- There are no transitional provisions for this qualification.

Schedule for the Qualification

Part A

Core paper for the Postgraduate Diploma in Specialist Teaching:

254.765	Core Theory and Foundations of Specialist Teaching	30
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Part B

Endorsement Papers for the Postgraduate Diploma in Specialist Teaching

Autism Spectrum Disorder

249.745	Theory and Foundations of Autism Spectrum Disorder	30	
249.749	Evidence-based Interprofessional Practice in Autism Spectrum Disorder	30	P 249.745, 254.765
249.750	Practicum in Autism Spectrum Disorder	30	P/C 249.749

Blind and Low Vision

249.700	Braille Proficiency	0	
249.746	Theory and Foundations of Blind and Low Vision Education	30	
249.751	Evidence-based Interprofessional Practice in Blind and Low Vision Education	30	P 249.746, 254.765
249.752	Practicum in Blind and Low Vision Education	30	P/C 249.751

Complex Educational Needs

249.760	Theory and Foundations of Complex Educational Needs	30	
249.761	Evidence-based Interprofessional Practice in Complex Educational Needs	30	P 249.760, 254.765
249.763	Practicum in Complex Educational Needs	30	P/C 249.761

Gifted and Talented

262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749
262.752	Evidence-based Interprofessional Practice in Gifted and Talented Education	30	P 254.765, 262.751
262.753	Practicum in Gifted and Talented Education	30	P/C 262.752

Learning and Behaviour

249.753	Theory and Foundations of Learning and Behaviour Diversity	30	
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249.754	Evidence-based Interprofessional Practice in Learning and Behaviour Diversity	30	P 249.753, 254.765
249.755	Practicum in Learning and Behaviour Diversity	30	P/C 249.754

The Postgraduate Diploma in Speech and Language Therapy

PGDipSpchLangTher

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the degree shall be subject to the approval of the Academic Board. Relevance and standard of under-graduate studies will be criteria for approval.
- Before enrolling in the Postgraduate Diploma Speech and Language Therapy, a candidate shall:
 - Have completed the degree of Bachelor of Speech and Language Therapy and the Postgraduate Certificate in Speech and Language Therapy or equivalent while maintaining a GPA of B; or a Bachelor of Speech and Language Therapy with Honours or equivalent;
 - Have been granted admission to postgraduate study and entitled to enrol for the Postgraduate Diploma in Speech and Language Therapy;
 - Have completed at least one year clinical experience in speech and language therapy, or;
 - Be accepted as a candidate by the College Pro Vice-Chancellor or nominee.
- A candidate may not be concurrently enrolled in any other postgraduate diploma or master's degree.

Course of Study

- A candidate shall follow for not less than one year a course of study comprising of four papers to a value of 120 credits.
- The course of study for a Postgraduate Diploma in Speech and Language Therapy shall comprise the following four compulsory 30 credit papers:

271.710	Evidenced-Based Practice in Speech and Language Therapy	30	R 186.710
271.711	Critical and Current Issues in Speech and Language Therapy	30	R 186.711
271.712	Theoretical Issues in Speech and Language Therapy	30	R 186.712
267.781	Research Methods in Professional Practice	30	R 186.713, 271.713

- A candidate's course of study may not exceed four years, unless a period of suspension or extension is approved by the Academic Board.
- Candidates admitted to the Postgraduate Diploma who have been awarded the Postgraduate Certificate in Speech and Language Therapy shall follow a course of at least 60 credits, which together with the qualifying course of study shall form a coherent programme of 120 credits. For such candidates the Qualification Regulations for the Postgraduate Diploma shall be deemed to apply from the date of their enrolling in the certificate. Students will be required to surrender their Postgraduate Certificate before being awarded the Postgraduate Diploma in Speech and Language Therapy.
- The Postgraduate Diploma shall be awarded on the basis of the whole evaluation with the provision that each paper shall be at least of pass standard.

The Postgraduate Diploma in Sport and Exercise

PGDipSpEx

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Admission to the programme is open to students who have completed a Bachelor of Sport and Exercise or equivalent sport-related degree with at least an overall B- grade average.

Course Requirements

- To qualify for the Postgraduate Diploma in Sport and Exercise a candidate shall pass an approved selection of papers to a minimum total of 120 credits. The Diploma may be awarded with or without endorsement.
The following endorsements and their required papers (at 700 level) are available :

Sport Management

234.731	Advanced Sport in the Social Context	30	P Graduate Status or PHoS
234.732	Advanced Sport Management	30	P Graduate Status or PHoS
234.738	Advanced Sport Practicum	30	P Graduate Status or PHoS

Plus an approved additional paper or papers to a total of 30 further credits. For those wishing to facilitate later advancement to the Masters programme, a paper in qualitative research methods is recommended.

Sport Coaching

234.716	Advanced Physical Conditioning	30	P Graduate Status and Permission Programme Director; R 234.705 and 152.719
234.736	Advanced Sport Coaching	30	P Graduate Status or PHoS
234.738	Advanced Sport Practicum	30	P Graduate Status or PHoS

Plus an approved additional paper or papers to a total of 30 further credits. For those wishing to facilitate later advancement to the Masters programme, a paper in qualitative research methods is recommended.

Exercise Science

234.721	Muscle Mechanics	15	P Graduate Status and Permission Academic Director. Students need to have passed 194.241 and 234.203 or equivalent
234.720	Skeletal Muscle Metabolism	15	P Graduate Status and Permission Academic Director. Students need to have passed 122.102, 194.241 and 234.203 or equivalent.
234.723	Advanced Topics in Exercise Science	15	P Graduate Status and Permission Academic Director
234.722	Advanced Biomechanics	15	P Graduate Status and Permission Academic Director.

234.716	Advanced Physical Conditioning	30	P Graduate Status and Permission Programme Director; R 234.705 and 152.719
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Plus an approved additional paper or papers to a total of 30 further credits. For those wishing to facilitate later advancement to the Masters programme, a paper in quantitative research methods is recommended.

Exercise Prescription and Training

234.717	Advanced Exercise Prescription for Musculoskeletal Conditions	15	P Completion of the Bachelor of Health Sciences degree (Sport and Exercise major); Bachelor of Sport and Exercise Science (Exercise Prescription and Training major), or similar programmes as specifically approved by the PG advisor
234.718	Advanced Exercise Prescription for Cardiopulmonary Conditions	30	P Completion of the Bachelor of Health Sciences degree (Sport and Exercise major); Bachelor of Sport and Exercise Science (Exercise Prescription and Training major), or similar programmes as specifically approved by the PG advisor
234.716	Advanced Physical Conditioning	30	P Graduate Status and Permission Programme Director; R 234.705 and 152.719

234.719	Advanced Topics in Clinical Exercise, Health and Disease	30	P Completion of the Bachelor of Sport and Exercise Science (Physical Education major), or similar programme, as approved by the PG advisor
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Plus an approved additional paper of 15 further credits. For those wishing to facilitate later advancement to the Masters programme, a paper in qualitative or quantitative research methods is recommended.

Physical Education

234.745	Advanced Application of Maori Perspectives to Health and Physical Education	30	P Completion of the Bachelor of Sport and Exercise Science (Physical Education major), or similar programme, as approved by the PG advisor
234.736	Advanced Sport Coaching	30	P Graduate Status or PHoS
274.707	Issues in Health and Physical Education	30	P Graduate Status

Plus an approved additional paper or papers to a total of 30 further credits. For those wishing to facilitate later advancement to the Masters programme, a paper in qualitative or quantitative research methods is recommended.

- A candidate may complete the Postgraduate Diploma without endorsement by satisfying Regulation 2 only.

The Postgraduate Diploma in Sport Management PGDipSportMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Diploma in Sport Management requires that the candidate will:
 - meet the University admission requirements as specified, and;
 - shall have been awarded or qualified for a Bachelor's degree or equivalent qualification, having achieved a B- grade average over the highest level papers.

Qualification Requirements

- Candidates for the Postgraduate Diploma in Sport Management shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits at 700-level, including:
 - any compulsory papers identified in the Schedule for the Qualification
 - at least 90 credits selected from the Schedule to the Qualification
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Postgraduate Diploma in Sport Management is awarded without specialisation.
- Candidates may complete the following endorsements in accordance with transition regulations 9 to 11: Coaching, Sport Management.

Student Progression

- In cases of sufficient merit, the Postgraduate Diploma in Sport Management may be awarded with distinction or merit.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

- All candidates commencing study towards the Postgraduate Diploma in Sport Management on or after 1 January 2015 must satisfy the requirements specified in these regulations.
- All candidates who commenced study towards the Coaching endorsement or the Management endorsement prior to 2015, and who have passed at least 30 credits whilst enrolled in either endorsement, may complete under the Coaching or Management endorsement regulations in the 2014 Massey University Calendar (or earlier regulations) until the end of the 2017 academic year.
- Candidates who do not satisfy the requirements of Regulation 10 must satisfy the requirements of the Postgraduate Diploma in Sport Management as specified in these regulations.

Schedule for the Qualification

152.707	Leading and Changing Organisations	30	P Graduate Status and PHOS; R 152.705, 152.709
152.752	Project Management	30	P Graduate Status and PHOS
234.731	Advanced Sport in the Social Context	30	P Graduate Status and PHOS
234.732	Advanced Sport Management	30	P Graduate Status and PHOS

The Postgraduate Diploma of Teaching (Primary)

PGDipTchg(Prim)

No new enrolments from 2011

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Students admitted to the Postgraduate Diploma of Teaching (Primary) shall before enrolment have:
 - qualified for the award of a relevant bachelor's degree (or equivalent);
 - met the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- While the University will endeavour to meet the general terms and requirements of the New Zealand Teachers Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers Council.
- Admission to the programme shall be granted or withheld upon consideration of criteria 1(a) and (b) and upon an interview for selection where this is required.

Variations

- Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student

must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.

- If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.

Course of Study

- Candidates shall follow for not less than one calendar year a course of study comprising 165 credits. All candidates are required to pass the following papers:

Professional Practice

278.703	Professional Practice I	15	
278.704	Professional Practice II	15	P 278.703
278.711	Classroom Inquiry	15	

Contextual Knowledge

278.701	Teaching in Context I	15	
278.702	Teaching in Context II	15	P 278.701

Content Knowledge

278.705	Mathematics Teaching in the Primary School	15	
278.706	Effective Pedagogy in Mathematics	15	P 278.705
278.707	Literacy Development and Pedagogy	15	
278.708	Literacy Assessment and Instruction	15	P 278.707
278.709	Education in Science, Social Science and Technology	15	
278.710	Education in the Arts, Hauora and Learning Languages	15	P 278.709

The Postgraduate Diploma of Teaching (Secondary)

PGDipTchg(Sec)

No new enrolments from 2011

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Students admitted to the Postgraduate Diploma of Teaching (Secondary) shall before enrolment have:
 - qualified for the award of a relevant bachelor's degree (or equivalent) in a subject area(s) deemed suitable for teaching in New Zealand secondary schools; and
 - met the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- While the University will endeavour to meet the general terms and requirements of the New Zealand Teachers Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers Council.
- Admission to the programme shall be granted or withheld upon consideration of criteria 1(a) and (b) and upon an interview for selection where this is required.

Variations

- Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.
- If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.

Course of Study

- Candidates shall follow for not less than one calendar year a course of study comprising 120 credits.
- Each student's course of study is subject to the approval of the College Pro Vice-Chancellor or nominee. The course of study must include:
 - Compulsory Papers (75 credits):

260.701	Teaching in Context I	15	
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260.702	Teaching in Context II	15	P 260.701
260.703	Professional Practice I	15	
260.704	Professional Practice II	15	P 260.703
260.705	Teaching and Learning in a Secondary Context	15	

(b) Approved Elective Papers (45 credits):**Subject Studies Papers**

260.720	Teaching and Learning Mathematics	15	
260.721	Teaching and Learning Senior Mathematics	15	
260.722	Teaching and Learning Science	15	
260.723	Teaching and Learning Senior Agriculture/Biology/Horticulture	15	
260.724	Teaching and Learning Senior Chemistry	15	
260.725	Teaching and Learning Senior Physics	15	
260.726	Teaching and Learning Technology	15	
260.727	Teaching and Learning Senior Technology	15	
260.728	Teaching and Learning Graphics	15	
260.729	Teaching and Learning Languages	15	
260.730	Teaching and Learning Senior Languages	15	

260.731	Teaching and Learning English	15	
260.732	Teaching and Learning Senior English	15	
260.733	Teaching and Learning Drama	15	
260.734	Teaching and Learning Social Studies	15	
260.735	Teaching and Learning Senior History	15	
260.736	Teaching and Learning Senior Geography	15	
260.737	Teaching and Learning Commerce	15	
260.738	Teaching and Learning Music	15	
260.739	Teaching and Learning Senior Music	15	
260.740	Teaching and Learning School Instrumental Groups	15	
260.741	Teaching and Learning Health and Physical Education	15	
260.742	Teaching and Learning Senior Physical Education	15	
260.743	Teaching and Learning Health	15	
260.744	Teaching and Learning Visual Arts	15	
260.745	Teaching and Learning Senior Visual Arts	15	
260.746	Teaching and Learning Senior Art History	15	
253.753	Guidance in Education	30	R 209.753

Toku Reo Toku Oha The Postgraduate Diploma in Te Reo Māori PGDipReoM

No new enrolments from 2015

The Postgraduate Diploma in Technology PGDipTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates/ Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Diploma in Technology requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) shall have been awarded or qualified for the Bachelor of Technology with Honours or an equivalent qualification.
2. Notwithstanding Regulation 1, and at the discretion of Academic Board, candidates who have successfully completed 450 credits in the Bachelor of Technology with Honours may be admitted into the Postgraduate Diploma in Technology provided:
 - (a) the candidate's previous work within the Bachelor of Technology with Honours is of a satisfactory standard; and
 - (b) the candidate enrolls for the remaining paper(s) for the Bachelor of Technology with Honours in the first year of enrolment in the Postgraduate Diploma in Technology; and
 - (c) should the candidate not pass the remaining paper(s) for the Bachelor of Technology with Honours in the first year of enrolment in the Postgraduate Diploma in Technology, the Postgraduate Diploma will not be awarded and/or continuation of enrolment in the Postgraduate

Diploma shall be suspended until the requirements of the Bachelor of Technology with Honours have been met.

Qualification Requirements

3. Candidates for the Postgraduate Diploma in Technology shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - (a) at least 120 credits at 700-level or above from the Schedule to the Qualification.
 And including:
 - (b) a maximum of 45 credits derived from Special Topic papers;
 - (c) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

4. The Postgraduate Diploma in Technology may be completed with or without an endorsement.
5. Candidates may complete an endorsement by completing at least 60 credits in an endorsement from Schedule A for the Qualification.
6. Approved endorsements are Energy Management, Packaging Technology, Product Development.

Student Progression

7. In cases of sufficient merit, the Postgraduate Diploma in Technology may be awarded with distinction or merit.

Completion Requirements

8. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Postgraduate Certificate in Science should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Schedule A: Endorsements

Energy Management

228.740	Energy Policy	15	P Graduate status and PPD; R 142.740
228.741	Energy Systems	15	P Graduate status and PPD or 228.743 or 228.769 or 280.271; R142.741
228.742	Energy Economics	15	P Graduate status and PPD; R 142.742
228.743	Energy Management	15	P Graduate status and PPD or 228.741 or 228.769 or 280.271; R 142.743
228.744	Case Studies of Renewable Energy Systems	15	P PPD or 142.741 or 228.741; R 142.744
228.745	Renewable Energy Conversion Devices	15	P PPD or 142.741 or 228.741; R 142.745
228.746	Renewable Energy Resources	15	P Graduate status and PPD; R 142.746
228.747	Renewable Energy Systems Design	15	P PPD or 142.741 or 228.741; R 142.747
228.748	Greenhouse Science and Policy	15	P Graduate status and PPD; R 142.748
228.750	Renewable Energy and Sustainable Development	15	P Graduate status and PPD or 228.312; R 142.750
228.756	Energy Efficiency (Systems Analysis and Auditing)	15	P Graduate status and PPD; R 142.756
228.757	Energy Efficiency (Industrial and Commercial Technology)	15	P Graduate status and PPD, 142.756 or 228.756; R 142.757
228.759	Applied Energy Management	15	P Graduate status and PPD; R 142.759
228.766	Integrated Energy Resource Planning	15	P 142.740 or 142.741 or 228.740 or 228.741; R 142.766
228.767	Greenhouse Gas Mitigation Analysis	15	P 142.748 or 228.748; R 142.767
228.768	Energy Performance of Buildings	15	P 142.759 or 142.743 or 228.759 or 228.743; R 142.768
228.769	Energy-Efficient Building Design	15	P Graduate status and PPD or 228.741 or 228.743; R 142.769
280.760	Industrial Refrigeration	15	P Graduate status and PPD; R 142.760

Packaging Technology

228.732	Packaging Materials	30	P Graduate status and PPD; R 183.719
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228.733	Packaging Technology II	15	P Graduate status and PPD; R 183.746
228.734	Packaging Design Technology	15	P Graduate status or PPD; R 183.748
228.735	Packaging Technology III	15	P Graduate status or PPD; R 183.749
228.736	Fast-Moving Consumer Goods Packaging	15	P Graduate status and PPD; R 183.760

Product Development

287.701	Product Development Process	30	P Graduate status and PPD; R 183.701
287.703	Product Development Management	30	P Graduate status and PPD; R 183.703
287.706	New Product Development	15	P 228.311 or 228.312, or appropriate industrial experience, or Graduate status and PPD
503.720	Product Development Strategy and Portfolio Management	5	P An undergraduate degree in an approved discipline such as engineering, technology, or design. Applicants without these qualifications may be considered provided they can demonstrate relevant industry experience; R 183.713, 183.720, 287.706
503.721	Product Development Process and Market Research	5	P An undergraduate degree in an approved discipline such as engineering, technology, or design. Applicants without these qualifications may be considered provided they can demonstrate relevant industry experience; R 183.713, 183.721, 287.706
503.722	Product Development Resources and Performance Evaluation	5	P An undergraduate degree in an approved discipline such as engineering, technology, or design. Applicants without these qualifications may be considered provided they can demonstrate relevant industry experience; R 183.713, 183.722, 287.706

Schedule B: Elective Papers

119.728	Research Practice	15	P Graduate status and PPD
228.791	Special Topic	15	P Graduate status and PPD
228.792	Special Topic	30	P Graduate status and PPD
228.772	Advanced Topics in Technology and Engineering	30	P Graduate status and PPD; R 140.791
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status
238.710	Life Cycle Assessment and Footprinting Methods	15	P 238.700 or 238.300
238.711	Life Cycle Assessment and Footprinting Case Studies	15	P 238.700
238.712	Advanced Life Cycle Assessment and Footprinting Theory	15	P 238.700

The Postgraduate Diploma in Veterinary Clinical Science PGDipVCS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of a minimum of 120 credits selected from approved 700- and 800-level papers offered in Veterinary Science. The course may include a research report of 60 credits.

Subjects

- Subjects will be those approved in the discipline of veterinary science.

Endorsement

- The Postgraduate Diploma in Veterinary Clinical Science may be awarded with endorsement identifying the veterinary field in which the candidate undertook study for the degree. The endorsement will be specified at the time of the course approval by Academic Board and form part of the name of the degree received by the candidate at graduation.

The Postgraduate Diploma in Veterinary Preventive Medicine

PGDipVPM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of a minimum of 120 credits selected from approved 700- and 800-level papers in disease prevention and health management of livestock. The course may include a research report of 60 credits.

Subjects

- Subjects will be those approved in the discipline of Veterinary Science.

The Postgraduate Diploma in Veterinary Public Health

PGDipVPH

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- The course shall consist of a minimum of 120 credits selected from approved 700- and 800-level papers in diagnostic pathology, meat

hygiene, public health or state veterinary medicine. The course may include a research report of 60 credits.

Subjects

- Subjects will be those approved in the discipline of Veterinary Science.

Note: Candidates shall have been admitted to a Degree of BVSc at this University or have passed in subjects substantially equivalent to:

227.302	Veterinary Microbiology and Immunology	23
227.303	Veterinary Parasitic Diseases	19
227.401	Veterinary Clinical Pathology	10

and have been admitted with equivalent status.

The Postgraduate Diploma in Whānau Development

PGDipWhānauDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolment, a candidate for the PGDipWhānauDev shall have:
 - Satisfied the requirements for a Bachelor's degree in a relevant discipline; or
 - Satisfied the requirements of the PGCertWhānauDev; or
 - (i) been admitted with equivalent status as eligible to proceed to the PGDipWhānauDev; and
(ii) have relevant work in a related area to whānau development within three years of application for admission.

Course of Study

- A candidate shall follow a course of study comprising papers to the value of 120 credits selected from those listed in the Schedule for the PGCertWhānauDev and PGDipWhānauDev.
- In order for the Postgraduate Diploma to be awarded there shall be 90 credits comprising compulsory papers, and 30 credits selected from the research methods papers outlined in the Schedule.
- A candidate who has been awarded the PGCertWhānauDev may enrol for the diploma provided that they:
 - Surrender the PGCertWhānauDev, and

- Follow a course of study comprising papers to the value of 60 credits that includes 150.724 and 30 credits from the listed research papers.

- A candidate enrolled for the PGCertWhānauDev who has not been awarded the Certificate may, on transferring to the course of the PGDipWhānauDev, be credited with completed papers undertaken for the Certificate. For such candidates, the Qualification Regulations completed for the PGDipWhānauDev shall be deemed to apply as from the date of their enrolling for the PGCertWhānauDev.
- A candidate's course of study shall not exceed five calendar years of part-time study for the PGDipWhānauDev, unless a specified time of suspension or extension is approved by the Academic Board.

Schedules to the Postgraduate Diploma in Whānau Development

150.722	Te Tū Whānau: Whānau and Society	30
150.723	Ngā Momo Whānau: Whānau Form and Function	30
150.724	Whakapiki Whānau: Whānau Intervention	30

and 30 credits from:

150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30
179.702	Advanced Research Methods	30
168.810	Health Research Design and Method	30

POSTGRADUATE CERTIFICATES

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The Postgraduate Certificate in Arts PGCertArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

- Admission to the Postgraduate Certificate in Arts requires that the candidate will:
 - meet the University admission requirements as specified, and;
 - have been awarded or qualified for the Bachelor of Arts degree, with a major in the intended postgraduate subject, or equivalent; or
 - have been awarded or qualified for any Bachelor's degree, with a minor in the intended postgraduate subject, followed by a Graduate Certificate in Arts endorsed in the intended postgraduate subject; or
 - have been awarded or qualified for any Bachelor's degree followed by a Graduate Diploma in Arts endorsed in the intended postgraduate subject.

Qualification Requirements

- Candidates for the Postgraduate Certificate in Arts shall follow a flexible course of study, which shall consist of papers totalling at least 60 credits, comprising papers selected from a single major, endorsement or subject in the schedules to the Bachelor of Arts (Honours), Postgraduate Diploma in Arts or Master of Arts.

Specialisations

- The Postgraduate Certificate in Arts is awarded without specialisation.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Defence and Security Studies

Subject papers:

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	P Graduate status
149.707	The Middle East Security Environment	30	P Graduate status or equivalent
149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.710	Military History	30	P Graduate status or equivalent

149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent
149.744	Intelligence Operations	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.790	Research Methods in Defence and Security Studies	30	

Economics

Subject papers:

125.785	Research Methods in Finance	30	P Graduate status, 125.700 or equivalent
178.702	Macroeconomics	30	P Graduate status and 178.703, or 178.200 and 178.220 or 178.280, or PHOS; R 178.700, 178.714
178.703	The Theory and Practice of Economics	30	
178.712	International Monetary Economics	30	
178.713	Microeconomics	30	Graduate status and any 300-level Microeconomics paper or PHOS
178.718	Health Economics	30	
178.732	Advanced Econometrics	30	P 125.785 and any 300-level Econometrics paper
178.755	Economic Growth, International and Development Economics	30	P Graduate status and any undergraduate level Economics paper or 178.703, or PHOS; R 178.750, 178.770
178.757	Global Agri-food Markets, Trade and Policy Analysis	30	P Graduate status and 178.703 or 178.358 or PHOS; R 178.756
178.762	Natural Resource and Environmental Economics for Non-Economists	30	P. Graduate status and PHOS
178.775	The Economics of Knowledge and Innovation	30	P Graduate status and 115.106 or 178.1xx or 178.703 or PHOS

Education

Subject papers:

267.782	Quantitative Research in Education	15	C 267.783; R 267.720, 267.723, 267.780, 267.788
267.783	Qualitative Research in Education	15	C 267.782; R 267.720, 267.723, 267.780, 267.788
254.702	Facing Big Questions in Education	30	R 180.702
254.744	Educational Issues Among Pacific Islands Peoples in New Zealand	30	R 187.774

254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
261.765	Trends in E-Learning	30	R 186.761, 186.765
263.704	Advanced Studies in Motivation and Learning	30	R 180.704, 186.731
265.737	Young Children and Their Families	30	R 186.737
269.733	Mana Motuhake: Contemporary Issues in Maori and Indigenous Education	30	

English

Subject papers:

139.703	Critical and Creative Research	30	P Postgraduate status
139.707	Women, Desire and Narrative	30	
139.710	Rhetoric, Composition and the Teaching of Writing	30	
139.724	Literary Revolutions: 18th Century and Romantic Literature	30	P Graduate status with a major or a minor in English
139.725	The Post-Romantic Subject	30	
139.728	Early Modern Metadrama: Vices and Devices	30	P Graduate status with a major or a minor in English
139.750	Contemporary New Zealand Writers in an International Context	30	R 139.795 (2008 only)
139.752	Aotearoa New Zealand Drama and Performance	30	
139.757	Twentieth-Century New Zealand Fiction: Texts and Theories	30	P Graduate status, with a major or minor in English or equivalent
139.758	Postcolonial Writing	30	
139.760	Writing Lyric Poetry: Blurring the Boundaries	30	P Graduate status, and 139.229 or PHOS
139.761	Writing Contemporary Fiction	30	Graduate status and 139.329; or PHOS
139.763	Community Theatre	30	R 139.753
139.775	Trauma, Memory, Haunting	30	
154.708	Modern Fiction, Popular Culture and the Media	30	P Graduate status and PHOS

Geography

Subject papers:

145.701	Power and Geographic Knowledge	30	
145.702	Advanced Field Techniques in Geomorphology	30	
145.704	Advanced Quaternary Biogeography	30	P 145.320 or equivalent
145.705	Applied Geomorphology: Catchment to Coast	30	Graduate status, plus one from 145.303, 145.304, 145.327, or equivalent
145.706	Historical Geography	30	
145.710	Consumption and Place	30	

Geographic Information Systems

Subject papers:

132.738	GIS Principles and Applications	30	
132.740	Geographic Information Systems Programming and Practice	30	P/C 132.738
189.761	Applied Remote Sensing	30	

157 or 159 prefix or such other papers as may be approved.

History

Subject papers:

148.720	Advanced Historiography	30	
148.730	Advanced Historical Methodology	30	

Māori Studies

Subject papers:

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
150.702	Mauri Ora: Māori Mental Health	30	
150.710	Te Reo Whakawhitiwhiti: The Language of Everyday Communication	30	
150.711	Te Tau-Ihu o te Reo: Advanced Māori Literature	30	
150.714	Tā Te Māori Rangahau Kōrero: Māori Research Methodologies	30	
150.715	Taonga Tuku Iho: Heritage Aotearoa	30	

Media Studies

Subject papers:

154.701	Modern and Postmodern Visual Cultures	30	
154.702	Advanced Film Studies	30	
154.704	Media Research Methods	30	
154.707	The World of Noir	30	
154.708	Modern Fiction, Popular Culture and the Media	30	
154.709	Technology and Cultural Change	30	
154.719	Media, Entertainment, and Ethics	30	
154.747	Media Practice and Global Culture	30	P 154.204 or 154.224 or 154.304 or PHOS
219.705	Advanced News Media Processes	30	P Graduate status

Philosophy

Subject papers:

134.710	Philosophical Research	30	
134.740	Advanced Study of Philosophical Topics	30	
134.750	Advanced Study of Philosophical Texts	30	

Politics

Subject papers:

150.701	Tino Rangatiratanga: Strategic Māori Development	30	
176.702	Advanced Social Inquiry	30	
200.761	International Relations: Theory and Practice	30	P Graduate status; R 148.761
200.762	Presidents and Prime Ministers	30	P Graduate status
219.708	Political Communication	30	Graduate status

Psychology

Subject papers:

175.738	Psychological Research: Principles of Design	15	
175.705	Applied Behaviour Analysis	15	
175.718	Postmodernism and Psychology	15	
175.719	Applied Criminal Psychology	15	
175.720	Advanced Psychology of Women	15	
175.721	Child and Family Therapy	15	
175.722	Principles of Clinical Neuropsychology	15	
175.725	Advanced Social Psychology	30	
175.729	Psychology and Culture	15	
175.730	Professional Practice in Psychology	15	
175.732	Psychological Well-being in Organisations	15	
175.733	Culture at Work	15	
175.734	Child Clinical Neuropsychology	15	
175.737	Occupational Psychology	15	

175.739	Health Psychology: Understanding Health and Illness	15	
175.740	Occupational Health Psychology	15	P Graduate status
175.741	Psychological Assessment in Organisations	15	
175.743	Health Psychology: The Social Context	15	
175.744	Health Psychology: Promoting Health	15	
175.746	Psychological Research: Multivariate Data Analysis	15	
175.747	The Psychology of Sport and Exercise	15	
175.748	The Psychology of Organisational Change	15	
175.751	Neuropsychological Rehabilitation	15	
175.761	Theory and Practice of Cognitive Behaviour Therapy	15	
175.781	Clinical Psychopathology	15	R 175.701
175.782	Clinical Psychology Assessment	15	R 175.708
175.783	Clinical Psychology Interventions	15	R 175.707, 175.727

Social Anthropology

Subject papers:

146.701	Contemporary Approaches in Anthropological Theory	30	
146.703	The Practice of Anthropology	30	

Social Policy

Subject papers:

132.741	Long-Term Community Planning	30	Graduate status
179.702	Advanced Research Methods	30	
179.711	Special Topic	30	
179.783	Māori Development and the Social Services	30	
279.701	Social Policy and Political Economy	30	R 179.701
279.703	Social Policy Studies	30	R 179.704

Sociology

Subject papers:

176.701	Current Issues and Theories	30	
176.702	Advanced Social Inquiry	30	
176.711	Sociology of Underdevelopment	30	
176.715	Culture and New Zealand Society	30	
176.718	Environmental Sociology	30	

The Postgraduate Certificate in Business PGCertBus

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

1. The course shall consist of a minimum of 60 approved postgraduate credits.
2. A candidate who has satisfied the requirements of the Postgraduate Certificate in Business and who then proceeds to a postgraduate diploma in the College of Business will not be awarded the certificate but will have the credits credited to the postgraduate diploma. If the certificate has been awarded then the candidate must surrender the certificate if he/she wishes to credit the certificate credits to a postgraduate diploma.

The Postgraduate Certificate in Education PGCertEd

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolling for the Postgraduate Certificate in Education, a candidate shall:
 - (a) have qualified for the degree of Bachelor of Education, or the Bachelor of Education (Teaching); or
 - (b) have qualified for any other degree of a New Zealand university and hold an appropriate professional qualification; and
 - (c) have been granted admission to postgraduate study as entitled to enrol for the Postgraduate Certificate in Education.

2. A candidate may not be concurrently admitted to both the Postgraduate Certificate in Education and any other postgraduate qualification in Education with the same endorsement.

Course of Study

3. A candidate shall follow a course of study comprising two papers to a value of 60 credits from the Master of Education schedule.
4. Candidates who have completed the Certificate may apply for entry with credit into the Postgraduate Diploma in Education, Postgraduate Diploma in Educational Administration and Leadership, or the Postgraduate Diploma in Literacy Education. Admission will be determined by the entry criteria and requirements for each programme and will require the Certificate to be surrendered.
5. A candidate's course of study may not exceed two years, unless a period of suspension or extension is approved by the Academic Board.
6. Subject to the approval of the Academic Board, a candidate enrolled in an Education postgraduate diploma, masters qualification or Doctor of Education degree may apply to exit with a Postgraduate Certificate in Education providing they have completed at least 60 credits at postgraduate level within two years, unless a period of suspension or extension has been approved by Academic Board.

The Postgraduate Certificate in Educational Administration and Leadership

PGCertEdAdminLead

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling in the PGCert in Educational Administration and Leadership candidates shall:
 - have been admitted to a university degree and have been granted admission to postgraduate study as entitled to proceed to the Postgraduate Certificate in Educational Administration and Leadership; and
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.
- A candidate may not be concurrently admitted to both the Postgraduate Certificate in Educational Administration and Leadership and any other postgraduate qualification in Education with the same endorsement.

Course of Study

- A candidate shall follow a course of study comprising two papers from the following list to a value of 60 credits:
 - Compulsory paper:

259.771	Educational Leadership in Action	30	R 187.771
(b) May choose one from:			
254.706	Advanced Studies in Curriculum Policy and Practice	30	R 180.706, 187.742, 211.735
254.773	Educational Policy Analysis	30	R 187.773
254.774	Evaluation of Educational Organisations	30	R 187.774
254.775	Management of Human Resources in Educational Organisations	30	R 187.775
259.772	Theory and Process in Educational Leadership	30	R 187.772
259.776	Gender Issues and Educational Leadership	30	R 187.776
259.777	Leadership and Learning in Diverse Contexts	30	R 187.777
265.769	Professional Leadership in Early Childhood Education	30	R 187.769
269.711	Policy and Development in Māori Education	30	R 182.711

- Candidates who have completed the Certificate may apply for entry with credit into the Postgraduate Diploma in Educational Administration and Leadership. Admission will be determined by the entry criteria and requirements for the Postgraduate Diploma in Educational Administration and Leadership and will require the Certificate to be surrendered.
- A candidate's course of study may not exceed three years, unless a period of suspension or extension is approved by the Academic Board.

The Postgraduate Certificate in Educational Psychology

PGCertEdPsych

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

- Before enrolling for the Postgraduate Certificate in Educational Psychology candidates shall:
 - hold a Master's degree in Education or Psychology with a minimum of a B average or above and have completed approved undergraduate psychology papers to the value of 45 credits with a minimum of a B average or above; and
 - have completed sufficient study in educational psychology and research to be able to meet the New Zealand Psychologists Board registration requirements; and
 - have been granted admission to postgraduate study as entitled to proceed to the Postgraduate Certificate in Educational Psychology.

Course Requirements

- To qualify for the award of the Postgraduate Certificate in Educational Psychology, candidates shall be required to complete 60 credits from the following Schedule:

256.754	Assessment in Educational Psychology	30	R 186.747, 186.754
256.755	Professional Practice in Educational Psychology	30	R 186.748, 186.755

- A candidate's course of study may not exceed three years, unless a period of suspension or extension is approved by the Academic Board.

Transition Arrangements

- Students who completed the PGCertEdPsych prior to 2012 and intend applying for the PGDipEdPsych (internship) may require a personal course with approved papers to meet provisional registration with the New Zealand Psychologists Board. These transition arrangements expire in 2014.

The Postgraduate Certificate in Health Science

PGCertHlthSc

No new enrolments will be accepted from 2012

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course of Study

- A candidate shall follow a course of study comprising papers to the value of 60 credits selected from the Schedule for the endorsement.

Dual Diagnosis

147.704	Drugs and Society	30
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The Postgraduate Certificate in International Development PGCertIntDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Certificate in International Development requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a Bachelor of Arts with a major in Development Studies, or equivalent; or
 - (c) have been awarded or qualified for any Bachelor's degree and have field or industry experience of an appropriate kind and duration.

Qualification Requirements

2. Candidates for the Postgraduate Certificate in International Development shall follow a flexible course of study, which shall consist of papers totalling at least 60 credits at 700-level, comprising:
 - (a) papers selected from the schedule to the certificate; and including
 - (b) any compulsory papers.

Specialisations

3. The Postgraduate Certificate in International Development is awarded without specialisation.

Completion Requirements

4. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
5. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

6. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Postgraduate Certificate in International Development

Compulsory papers:

At least 30 credits from:

131.701	Development and Underdevelopment	30	P Graduate status
131.702	Development Management	30	P Graduate status

Subject papers:

131.703	Gender and Development	30	P Graduate status
131.704	Sustainable Development	30	P Graduate status
131.706	Globalisation and Development	30	P Graduate status
131.707	Development Research Design	30	R 131.705
131.708	Development Practicum	30	P 131.701 or 131.702; or PHOS

The Postgraduate Certificate in International Security PGCertIntISy

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Postgraduate Diplomas and Postgraduate Certificates.

Part II

Admission

1. Admission to the Postgraduate Certificate in International Security requires that the candidate will:
 - (a) meet the University admission requirements as specified; and
 - (b) have been awarded or qualified for a relevant Bachelor's degree; or
 - (c) be able to demonstrate scholarly work in conjunction with extensive relevant professional experience appropriate for Admission with Equivalent Status.

Qualification Requirements

2. Candidates for the Postgraduate Certificate in International Security shall follow a flexible course of study, which shall consist of papers totalling at least 60 credits, comprising:
 - (a) 149.720 International Security
 - (b) 30 credits from Schedule A to the Qualification;
 And including:
 - (c) Attending field trips, studios, workshops, tutorials, and laboratories as required.
3. Notwithstanding Regulation 2(b), and at the discretion of Academic Board, students exiting the Postgraduate Diploma in International Security or the Master of International Security, may have a personal

course variation approved in excess of stated limits, to meet the requirements of the Postgraduate Certificate in International Security through substitution of papers from the schedules to those degrees.

Specialisation

4. The Postgraduate Certificate in International Security is awarded without specialisations.

Completion Requirements

5. The timeframes for completion as outlined in the General Regulations for Postgraduate Degrees, Postgraduate Diplomas, and Postgraduate Certificates will apply.
6. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

7. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Compulsory paper:

149.720	International Security	30	P Graduate status or equivalent
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Part A

149.701	The New Zealand Strategic Environment	30	P Graduate status
149.704	Leadership, Management and Command	30	
149.707	The Middle East Security Environment	30	P Graduate status or equivalent

149.709	Terrorism, Insurgency and Transnational Crime	30	P Graduate status or equivalent
149.715	The Brunei Strategic Environment	30	P Graduate status or equivalent
149.725	International Security and Peacekeeping	30	P Graduate status or equivalent
149.732	Public International Law for Defence and Security	30	P Graduate status
149.740	Security and Crime	30	P Graduate status or equivalent
149.741	Intelligence in the International Security Environment	30	P Graduate status or equivalent

149.744	Intelligence Operations	30	P Graduate status or equivalent
149.745	Crime Science	30	P Graduate status or equivalent
149.760	Defence and Security Technology	30	P Graduate status or equivalent
149.770	Border Management in the Contemporary Security Environment	30	P Graduate status or equivalent
149.790	Research Methods in Defence and Security Studies	30	
149.795	Cyber Security	30	P Graduate status or equivalent

The Postgraduate Certificate in Nursing PGCertNurs

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling for the degree of Postgraduate Certificate in Nursing candidates shall be registered nurses, normally holding a current practising certificate from the Nursing Council of New Zealand and have satisfied the Academic Board that they have sufficient professional experience and suitability to be likely to benefit from the course.

Course of Study

- The Postgraduate Certificate may be awarded with or without endorsement. To complete the Postgraduate Certificate without endorsement, a candidate shall follow a course of study comprising papers to the value of 60 credits selected from those listed for the MN degree.
- To complete the Postgraduate Certificate with endorsement, a candidate shall follow a course of study as prescribed below.

Mental Health

168.714	Advanced Assessment and Therapeutic Intervention in Mental Health	30
168.720	Clinical Specialty: Mental Health	30

Neonatal

168.725	Neonatal Science and Clinical Care of the Neonate I	30
168.729	Neonatal and Family Assessment and Practice	30

Older Persons' Health

168.719	Clinical Specialty: Older Persons' Health	30
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plus 30 credits from the MN schedule.

Primary Health Care

168.724	Primary Health Care Nursing	30
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plus 30 credits from the MN schedule.

Recognition of Prior Learning

- Candidates who have successfully completed a level 8 postgraduate paper as part of a Nursing Council of New Zealand approved New Entry to Practice programme may apply for cross-credit to the Postgraduate Certificate in Nursing. Such candidates may be cross-credited with up to 30 credits but they will not be eligible to receive the Certificate with an endorsement.

Time Limits

- A candidate granted cross-credit under Regulation 4 shall have the course of study duration reduced accordingly, such that the course of study for candidates credited 30 credits under Regulation 4 shall not exceed one calendar year.
- A candidate shall satisfy all requirements for the Postgraduate Certificate within two years of first enrolling for the qualification.

The Postgraduate Certificate in Planning PGCertPlan

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Course Requirements

- To qualify for the award of the Certificate, a candidate shall pass papers at 700- level to a total of at least 60 credits. All 60 credits must be taken from the Schedule for the Master of Resource and Environmental Planning degree.

Progression to Further Study

- A candidate who has completed the requirements for the Postgraduate Certificate in Planning may apply to transfer the Postgraduate Certificate papers towards a postgraduate diploma or degree of the University, provided that any such papers shall comply with the Regulations for the particular qualification.

- A candidate who has been awarded a Postgraduate Certificate in Planning and subsequently enrolls for the Postgraduate Diploma in Planning or the Master of Resource and Environmental Planning may surrender the Postgraduate Certificate towards the Postgraduate Diploma in Planning or Master of Resource and Environmental Planning. All papers completed as part of the Postgraduate Certificate in Planning will then be transferred to the Postgraduate Diploma in Planning or Master of Resource and Environmental Planning.

The Postgraduate Certificate in Science

PGCertSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Admission to the Course

- Admission to the Postgraduate Certificate in Science shall be subject to the approval of the Director of Graduate Studies, College of Sciences.

Structure of the Course

- The Postgraduate Certificate in Science shall comprise a minimum of 60 credits. Papers may be selected from the Schedules for any postgraduate programme offered by the College of Sciences. 15 credits may be approved from papers in other postgraduate programmes.

Transfers and Cross-credits

- A candidate who, having completed the requirements for the Postgraduate Certificate in Science and wishing to continue to a Postgraduate Diploma, will not be awarded the certificate. If the certificate has been awarded the candidate must surrender the certificate if he/she wishes to credit the certificate papers to a Postgraduate Diploma.

The Postgraduate Certificate in Specialist Teaching

PGCertSpecTchg

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

- Before enrolling for this certificate, a candidate shall:
 - hold a relevant professional qualification;
 - have either
 - qualified for any degree of a New Zealand university, or equivalent; or
 - provided evidence of sufficient practical/professional experience of an acceptable standard in an area relevant to the qualification;
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course;
 - have been granted admission to postgraduate study as entitled to enrol for the Postgraduate Certificate in Specialist Teaching.
- Candidates who do not hold current New Zealand professional Registration will be required to undergo police vetting prior to gaining entry into the programme. Such candidates must meet requirements equivalent to those set down by the New Zealand Teachers Council for registration as a teacher in terms of character and fitness to be a teacher.
- All international candidates and others whose first language is not English who have not gained a New Zealand university entrance qualification, or an overseas entrance qualification in a country where the main language is English, will be required to provide evidence of their proficiency in English in the form of an academic IELTS (International English Language Testing System) score of 7.0 with no band less than 7.0 (or the equivalent TOEFL score) or other evidence that is acceptable to Academic Board.

Course of Study

- A candidate shall follow for not less than one semester a course of study comprising two papers to a value of 60 credits.
- Candidates shall qualify for the certificate by completing, subject to the approval of the relevant Head of School:
 - one compulsory paper:

254.765	Core Theory and Foundations of Specialist Teaching	30
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and

- one elective paper (30 credits) from the following:

249.745	Theory and Foundations of Autism Spectrum Disorder	30	
249.746	Theory and Foundations of Blind and Low Vision Education	30	
262.751	Theory and Foundations of Gifted and Talented Education	30	R 186.749
249.753	Theory and Foundations of Learning and Behaviour Diversity	30	
249.760	Theory and Foundations of Complex Educational Needs	30	

Time Limit

- The Postgraduate Certificate in Specialist Teaching must be completed within a maximum of two years.

Special Requirements

- No candidate will be given more than two opportunities to pass any Postgraduate Certificate in Specialist Teaching paper.

Note

This qualification is offered by Massey University and The University of Canterbury. Candidates will be enrolled at and have their degree awarded by only one of the collaborating universities.

The Postgraduate Certificate in Speech and Language Therapy

PGCertSpchLangTher

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

- Admission to the degree shall be subject to the approval of the Academic Board. Relevance and standard of undergraduate studies will be criteria for approval.
- Before enrolling in the Postgraduate Certificate of Speech and Language Therapy, a candidate shall:

- (a) have completed the degree of Bachelor of Speech and Language Therapy or equivalent while maintaining a GPA of B;
 - (b) have been granted admission to postgraduate study and entitled to enrol for the Postgraduate Certificate in Speech and Language Therapy;
 - (c) have completed at least one year clinical experience in speech and language therapy, or;
 - (d) be accepted as a candidate by the College Pro Vice-Chancellor or nominee.
3. A candidate may not be concurrently enrolled in any other postgraduate certificate, postgraduate diploma or Master's degree.

Course Requirements

4. The course of study for the Postgraduate Certificate in Speech and Language Therapy shall comprise the following two compulsory 30 credit papers:

271.710	Evidenced-Based Practice in Speech and Language Therapy	30	R 186.710
271.711	Critical and Current Issues in Speech and Language Therapy	30	R 186.711

5. Candidates who have completed the Postgraduate Certificate in Speech and Language Therapy may apply for entry with credit into the Postgraduate Diploma of Speech and Language Therapy. Admission into this programme is based on academic performance.

6. A candidate's course of study may not exceed three years, unless a period of suspension or extension is approved by the Academic Board.

7. The Postgraduate Certificate shall be awarded on the basis of the whole evaluation with the provision that each paper shall be at least of pass standard.

The Postgraduate Certificate in Tertiary Teaching PGCertTT

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

1. Before enrolling for the Postgraduate Certificate of Tertiary Teaching candidates shall:
- (a) have been admitted to a university degree and have been granted admission to postgraduate study;
 - (b) have access to tertiary level learners and/or tertiary teaching contexts; and
 - (c) have satisfied the Academic Board that they have sufficient professional experience and suitability to be likely to benefit from the course of study.

Course Requirements

2. To qualify for the award of the Postgraduate Certificate in Tertiary Teaching, candidates shall be required to complete 60 credits from the following Schedule:

273.784	Learning and Teaching in Tertiary Education	30	R 186.784, 187.784
273.785	Planning for Tertiary Learning and Teaching	30	R 187.782, 187.785

3. With the approval of the College Pro Vice-Chancellor or nominee, paper 273.785 may be substituted with any other paper from the Master of Education Schedule that deals predominantly with the teaching of a specific discipline at the tertiary level.
4. A candidate shall satisfy the requirements for the Certificate within three years of admission to the programme.

The Postgraduate Certificate in Whānau Development PGCertWhānauDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Postgraduate Degrees, Diplomas and Certificates.

Part II

Eligibility

1. Before enrolment, a candidate for the PGCertWhānauDev shall have;
- (a) satisfied the requirements for a Bachelor's degree in a relevant discipline; or
 - (b) (i) been admitted with equivalent status as eligible to proceed to the Postgraduate Certificate; and
 - (ii) have relevant work in a related area to whānau development within three years of application for admission.

Course of Study

2. A candidate shall follow a course of study consisting of the papers 150.722 Te Tū Whānau: Whānau and Society, and 150.723 Ngā Momo Whānau: Whānau Form and Function.
3. A candidate's course of study shall not exceed three calendar years of part-time study for the PGCertWhānauDev, unless a specified time of suspension or extension is approved by the Academic Board.

Schedules to the Postgraduate Certificate in Whānau Development

150.722	Te Tū Whānau: Whānau and Society	30
150.723	Ngā Momo Whānau: Whānau Form and Function	30

GRADUATE DIPLOMAS

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* No new enrolments

The Graduate Diploma in Adult Learning and Teaching GradDipALT

No new enrolments from 2011

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Entry Requirements

- Before enrolment candidates shall have:
 - been admitted to a university degree or diploma; or
 - provided evidence of at least two years of appropriate practical, professional or scholastic experience of an appropriate level.
- Candidates must be:
 - currently employed in adult education; or
 - have access to adult learners and organisations in order to fulfil the practical requirements of the programme.

Course of Study

- Candidates complete a minimum of 120 credits including at least 75 credits at 300-level. All papers in Schedule One must be completed.

Schedule One

273.206	Adult Learning	15	R 187.206
273.270	Teaching Adults	15	P any 100-level paper; R 187.270

273.300	Post-compulsory Teaching Experience	0	
273.370	Professional Development and Practice in Adult Education	15	P Any 200-level paper; R 187.370
273.373	Adult Learning and Teaching Project	15	P/C 187.370; R 187.373
273.395	Policy and Issues in Adult Education	15	P Any 200-level paper; R 187.395

Schedule Two

Candidates complete three papers at 200- or 300-level or their equivalent approved by the College PVC or nominee from the BEd or BEd (Adult Ed) Schedules. At least two must be at 300-level.

Endorsement

Candidates may qualify for an endorsement of the Diploma by taking at least two papers specified in the Schedule for that endorsement as part of their Schedule Two requirement.

Teaching English to Speakers of Other Languages

257.370	Teaching Learners of English as Another Language	15	P 207.375; R 207.370
257.375	Learning English as Another Language	15	P any 200-level Education or Language Studies paper; R 207.375

- Candidates must provide evidence of completing at least 200 hours of satisfactory post-compulsory teaching experience this will be credited as 273.300 once provided.
- Candidates, with Head of School approval, may normally cross-credit up to 30 credits at 200-level from another completed qualification.

The Graduate Diploma in Applied Statistics GradDipAppStat

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

- Before enrolment for the Graduate Diploma in Applied Statistics a candidate shall have:
 - been admitted or qualified for the award for a university degree or have been admitted with equivalent status; and
 - passed approved 100-level papers in Mathematics and Statistics (160.1xx or 228.171 ; and one of 161.120 Introductory Statistics, 161.130 Introductory Biostatistics, 115.101 Statistics for Business, or their equivalents).

2. To qualify for the award of the Graduate Diploma in Applied Statistics, a candidate shall pass a minimum of 120 credits from the Schedule below, subject to the following conditions:
 - (a) a total of at least 45 credits from Group A, including 161.200, 161.221 and one of 161.220 or 161.250, except that a candidate who has had one or more papers in this group or their equivalent credited to a qualification shall be required to enrol in one or more approved alternative papers to the total credit value equivalent to at least that of the paper or papers replaced;
 - (b) a total of at least 45 credits from Group B; and
 - (c) at most one paper from Group C, with entry requiring a B+ average or better in previous GradDipApplStat papers and approval of the Programme Director.

3. Where the course of study includes a paper for which pre-requisites or corequisites are listed in the Calendar, candidates must fulfil these requirements unless exemption is formally granted by the Programme Director for the Diploma.

4. In the case of sufficient merit a candidate may be awarded the Diploma with Distinction.

Transition Provisions

5. Candidates enrolled for the Diploma in Applied Statistics prior to 1999 may complete the GradDipApplStat with at least 111 credits, including at least 36 credits from Group B and where permitted 12 credits from Group C, using the credits value for each paper that applied at the time it was passed.

Schedule to the Regulations for the Graduate Diploma in Applied Statistics

Group A

161.200	Statistical Models	15	P 160.1xx or 228.171 and one of 115.101, 161.100-161.130; R 161.231
161.220	Data Analysis	15	P One of 115.101, 161.100-161.130. The prerequisite may be waived for students with a high level of attainment in NCEA Level 3 Mathematics with Statistics; R 161.250
161.221	Applied Linear Models	15	P One of 115.101, or 161.100-161.130; R 161.320
161.223	Introduction to Data Mining	15	P One of 115.101, 161.100-161.130; R 161.324, 161.326, 161.777
161.231	Statistical Modelling	15	P 160.111 (or 160.101) and one of 115.101, 161.100-161.130; R 161.200

161.250	Data Analysis for Biologists	15	P One of 115.101, 161.100-161.130; R 161.220
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Group B

161.304	Advanced Statistical Modelling	15	P One of 161.200-161.240
161.320	Fitting Regression Models	15	P One of 161.200, 161.220, 161.231
161.321	Sampling and Experimental Design	15	P One of 161.2xx
161.322	Survey Design, Implementation and Analysis	15	P One of 161.200, 161.220, 161.223, 161.231
161.323	Multivariate Analysis	15	P One of 161.2xx
161.324	Data Mining	15	P 161.220 or 161.221 or 161.250; R 161.223, 161.777
161.325	Statistical Methods for Quality Improvement	15	P One of 161.200, 161.220, 161.230, 161.240
161.327	Generalised Linear Models	15	P 161.221 and one of 160.1xx; R 161.726
161.331	Biostatistics	15	P 161.220 or 161.221 or 161.250 or equivalent with PHOD
161.342	Forecasting and Time Series	15	P 161.220 or 161.221 or 161.250
161.390	Special Topic	15	PPD

With the approval of the Programme Director, 700-level papers may be substituted for 300-level papers and not more than 30 credits from appropriate alternate papers may be substituted for one or more of the above Group B papers.

Group C

161.380	Statistical Analysis Project	15	P Two 161.3xx papers, completion of a brief proposal, approval of topic, and PPD
161.381	Statistical Analysis Project	15	P Two 161.3xx papers, completion of a brief proposal, approval of topic, and PPD
161.382	Statistical Analysis Project	30	P Two 161.3xx papers, completion of a brief proposal, approval of topic, and PPD

Notes

1. No paper in Group C may be taken until at least 30 credits in Group A papers have been passed and the candidate has passed, or is currently enrolled in, at least one paper from Group B. Group C enrolment requires a B+ average or better in previous GradDipApplStat papers and Programme Director approval.
2. This course is designed primarily for part-time extramural students and not all of the papers will be available each year. In special circumstances, it can be completed internally in one year for full-time students.

The Graduate Diploma in Arts GradDipArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Graduate Diploma in Arts requires that the candidate will:
 - (a) Meet the University admission requirements as specified; and,
 - (b) Have been awarded or qualified for the award of Bachelor's Degree or an equivalent qualification.

Course Requirements

2. To qualify for the award of the Graduate Diploma in Arts, a student must pass papers at 200-level and 300-level to a total of at least 120 credits, with at least 75 credits above 200-level. All 120 credits must be taken

from Part II of the Schedule for the Bachelor of Arts degree, subject to the exceptions permitted by Regulation 4.

3. A student may be credited with a maximum of 15 credits in which they have gained a Restricted (R) pass.
4. In exceptional circumstances, a student may be given approval to include up to 30 credits from 700-level paper(s) from the Bachelor of Arts (Honours), Postgraduate Diploma in Arts or Master of Arts schedules in the Graduate Diploma in Arts. Approval for enrolment in 700-level paper(s) will only be given when the student has passed at least 30 credits at 200-level and 30 credits at 300-level in the subject.

Endorsements

5. The subject areas available for endorsement are those subject areas available as majors in the Bachelor of Arts degree. To qualify for the award of the Graduate Diploma in Arts with an endorsement a student must pass at least 90 credits from papers listed for a major subject in the Bachelor of Arts schedules, with at least 60 credits at 300-level.

Endorsements:

Chinese	Mathematics
Classical Studies	Media Studies

Defence Studies	Philosophy
Economics	Politics
Education	Psychology
English	Security Studies
Environmental Studies	Social Anthropology
Geography	Social Policy
History	Sociology
Japanese	Spanish
Linguistics	Statistics
Māori Studies	

6. Completion of the Graduate Diploma in Arts without endorsement requires the prior approval of the Pro Vice-Chancellor or his/her nominee. To qualify for the award of the Diploma without endorsement, a student must pass a coherent set of papers to the value of 120 credits.

Transition Arrangements

7. These regulations take effect from 1 January 2011.
- Students who have passed at least 30 credits towards the Graduate Diploma in Arts under the 2010 or earlier regulations may complete under those regulations until the end of the 2014 academic year.
 - Students who have passed at least 30 credits towards the Graduate Diploma in Arts prior to 2011 may choose to transfer to these regulations, but must then meet all of the requirements specified herein.
 - Students who have passed fewer than 30 credits towards the Graduate Diploma in Arts prior to 1 January 2011 must transfer to the 2011 regulations.

The Graduate Diploma in Aviation GDipAv

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

Eligibility

- Before enrolment, candidates shall satisfy the Academic Board that they have backgrounds and relevant experience sufficient to follow the course with a reasonable chance of success.
- Candidates shall:
 - have qualified for the award of a university degree or qualification approved for the purpose of these Regulations by the Academic Board or have been admitted to this University under admission with equivalent status Regulations; or
 - have been credited with at least 120 credits towards a degree and have met Regulation 1; or
 - have sufficient maturity and have met the requirements of Regulation 1.
- Before enrolling in the Flight Instruction endorsement:
 - candidates must possess a Class One Medical Certificate recognised by the Civil Aviation Authority of New Zealand and meet appropriate pilot aptitude selection criteria as defined from time to time by the School of Aviation; and
 - hold a Commercial Pilot Licence (CPL) – Aeroplane (A).

Course of Study

- Candidates shall follow an approved course of study of 120 credits in one of the following endorsements as listed in the Schedule:
 - Aviation Studies; or
 - Flight Instruction.
- Candidates are deemed to have met the prerequisite requirements for the 200-level papers listed in the Schedule below when they have been admitted to candidature.

Schedule to the Graduate Diploma in Aviation

Aviation Studies

Compulsory papers for the Aviation Studies endorsement:

190.216	Aviation Human Factors	15	P 190.107 or 190.117; R 190.205
190.220	Managing Aviation Systems	15	Part II P or C 190.109 or P 190.116

Plus 90 credits with at least 60 beyond 200-level from the following papers listed below:

190.207	Aviation Psychology	15	P 190.107 or 190.117
190.211	Aviation Strategic Management	15	P any 100-level paper

190.215	Heavy Aeroplane Performance	15	P 190.102 or 190.110 or 190.111 or CPL; R 190.202 or 190.235 or 190.237 or 190.252
190.217	Instruction and Learning in Aviation	15	P 190.107 or 190.109 or 190.117
190.222	Basic Air Safety Investigation	15	P 190.115 or 190.110 or 190.111 or CPL (A or H)
190.224	Environmental Impacts of Aviation	15	P any 100-level paper
190.225	Introduction to Research Methods in Aviation	15	P any 190.1xx
190.240	Air Power	15	P any 100-level paper
190.249	Aircraft Maintenance Management	30	P 190.220 or 190.244 or AMEL
190.302	Check and Training for Airlines	15	P 190.202 or ATPL
190.306	Airline Strategic Management	15	P 190.211
190.307	Airport Planning	15	P any 200-level 190 prefix paper
190.308	Airport Operational Management	15	P any 200-level 190 prefix paper
190.309	Design of Airways and Air Traffic Systems	15	P any 200-level 190 prefix paper
190.313	Advanced Aviation Human Factors	15	190.205 or 190.216
190.314	Legal Issues in Aviation	15	P any 200-level paper
190.317	Evaluation Methods in Aviation	15	P 190.217, 190.225 or Part III ATP
190.320	Heavy Aeroplane Performance II	15	P 190.237 or 190.215 or PHOS
190.321	Air Accident and Incident Investigation	15	P 190.222
190.327	Managing Cultures in Aviation	15	P 190.205 or 190.216
190.340	Contemporary Issues in Aviation Security	15	P any 200-level paper

Flight Instruction

Note: A Commercial Pilot Licence (Aeroplane) is a prerequisite for this endorsement.

Compulsory papers for the Flight Instruction endorsement:

190.297	Aerobatic Aircraft Handling for Flight Instructors	30	P 190.204
190.301	Flight Instructor Human Factors*	15	P any-200 level paper
190.313	Advanced Aviation Human Factors*	15	P 190.205 or 190.216
190.315	Flight Instruction Fundamentals I*	15	P 190.256
190.317	Evaluation Methods in Aviation	15	P 190.217, 190.225 or Part III ATP
190.335	Flight Instruction*	30	Part III ATP or hold a current CPL (A)

When paper 190.313 has already contributed towards the award of any other Massey University qualification a candidate must select another 190.xxx paper at 200 or 300-level to complete the Graduate Diploma.

* This is an integrated paper.

Flight Instruction – Helicopter Option (no new enrolments)

The Graduate Diploma in Business Studies

GradDipBusStuds

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- Before enrolment, candidates shall satisfy the Academic Board that they have backgrounds and relevant experience sufficient to be able to follow the course with a reasonable chance for success.
- Candidates shall:
 - have qualified for the award of a university degree or qualification approved for the purpose of these Regulations by the Academic Board or have been admitted to this University under the admission with equivalent status Regulations; or
 - have been credited with at least 120 credits towards a degree and have met Regulation 1; or
 - have sufficient maturity and have met the requirements of Regulation 1.
- To qualify for the award of the Diploma candidates shall:
 - pass approved papers totalling at least 120 credits from the Schedule to the Graduate Diploma in Business Studies, or from papers with College of Business prefixes of 110, 114, 115, 125, 127, 137, 152, 153, 155, 156, 178 or 219; and
 - complete to the satisfaction of the Academic Board such other work as may be required as part of an approved course of study.
- Notwithstanding Regulations 3(a) and 3(b), up to 45 200-level credits may be cross-credited from a completed degree of this University provided that the papers are listed in Part II of the BBS Schedule.
- The course shall not include 100-level credits and shall include at least 60 credits from above the 200-level.
- Candidates may credit to the Graduate Diploma in Business Studies no more than 15 credits in which they have gained a Restricted pass.
- Where a course includes a combination of papers approved for the purpose by the Academic Board, the Diploma may be awarded with an endorsement in one of the following areas: Accounting, Agribusiness, Business Information Systems, Business Law, Coaching, Communication Management, Dispute Resolution, Economics, Employment Relations Management, Entrepreneurship and Small Business, Finance, Human Resource Management, Insurance Management, International Business, Management, Management and Leadership for Māori Providers, Marketing, Personal Financial Planning, Personal Risk Management, Property Management, Public Relations, Real Estate, Rural Valuation, Sport Management, Tax Consultancy, Urban Valuation.
- Where a candidate seeks to include a paper from outside the College of Business, written application must be made to seek approval from the Pro Vice-Chancellor's office, normally prior to enrolment in the paper.
 - Where an endorsement provides for approval by the Head of School of discretionary papers, this approval is conditional on the Pro Vice-Chancellor's office being notified in writing for inclusion in the student's textual record.
- An awarded GradDipBusStuds may be surrendered to obtain a greater level of credit towards another Massey University qualification than the maximum 45 200-level credits permitted under the cross-credit regulations.
- Candidates are deemed to have met the prerequisite requirements for the 200-level papers specified in an endorsement when they have been admitted to candidature for that endorsement, unless explicitly excluded from this provision in the endorsement rules below.

Note: Where "Head of School" is mentioned, it means the Head of the School(s) where the endorsement is based.

Schedule to the Graduate Diploma in Business Studies

Accounting

110.209	Intermediate Financial Accounting	15	P 110.109 or 110.215 or 110.230; R 10.210, 10.213 (pre-1999), 110.313
110.229	Management Accounting	15	P 110.109 or 110.215 or 110.230; R 110.200, 10.220, 110.223
110.230	Introductory Financial and Management Accounting	15	P any 100-level paper; R 110.109, 10.110, 10.213 (1999), 110.215
110.249	Accounting Information Systems	15	P 110.109 or 110.215 or 110.230; and 115.107 or 157.100 or PHOS; R 110.243, 10.240
110.279	Auditing	15	P 110.109 or 110.230 or 115.102; R 10.273, 110.274
110.289	Taxation	15	P 110.109 or 110.230 or 115.102; R 10.283, 110.274
110.303	Integrative Accounting	15	P 240 credits inclusive of 110.209 or 110.313; 110.223 or 110.229; and at least 15 credits at 300-level with a 110 prefix from the BBS Schedule
110.309	Advanced Financial Accounting	15	P 110.209 or 110.313; R 10.310, 110.713
110.329	Advanced Management Accounting	15	P 110.229 or 110.223; R 10.320, 110.723
110.349	Advanced Accounting Information Systems	15	P 110.249 or 110.243; R 110.743
110.379	Advanced Auditing	15	P 110.109 or 110.215 or 110.230; and 110.279 or 110.274; R 10.370, 110.773
110.380	Estate and Tax Planning	15	P 110.274 or 110.289, or P or C 125.211
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783

Endorsement Requirements of Accounting

90 credits at 200-level or above from papers with a 110 prefix, with at least 45 of these credits at the 300-level; and 30 credits from papers listed in the Schedule to the Graduate Diploma in Business Studies, or from papers with College of Business prefixes of 110, 114, 115, 125, 127, 137, 152, 153, 155, 156, 178 or 219, with at least 15 of these credits at the 300-level.

Note: Regulation 10 is excluded. Candidates must meet all prerequisites, except for 110.230 which may be included in this endorsement without a prerequisite.

Agribusiness (no new enrolments from 2011)

112.248	Food and Agribusiness Value Chains	15	P 119.180, nil for GradDipRuralStud
112.302	Food and Agribusiness Strategies	15	P 112.248
119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil for GradDipRuralStud; R 111.231, 111.251, 111.252
119.381	Decision-Making in Primary Industry	15	P 119.281
119.382	Opportunity Analysis in Primary Industry	15	P 119.381
127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
152.261	International Business	15	P any 100-level paper
178.358	International Trade in Agri-food Products	15	P any 100-level Econ paper or 119.156 and any 200-level paper
239.391	Special Topic	15	P PPD

Endorsement Requirements of Agribusiness

112.248 and 112.302 and 30 credits from 119.281, 127.242, 152.261; and 60 credits from 119.381, 119.382, 178.358, 239.391, or another 15 credits at 300-level approved as relevant to the candidate's course.

Business Information Systems

152.252	Project Management	15	P any 100-level paper
157.240	Social Media Networks for Business	15	P any 15 credits
157.241	Information Systems, Organisations and ECommerce	15	P 115.107 or 157.1xx or 158.1xx or 159.1xx; R 157.242
152.304	Managing Services	15	P any two papers at 200-level
157.325	Information Management Project	15	P 157.24x; C 157.341; R 157.342, 157.381
157.340	Organisational Knowledge Management	15	P 152.2xx or 157.2xx or 158.2xx or 159.2xx
157.341	Strategic Management for Information Systems	15	P 157.2xx or 158.2xx or 159.2xx; R 157.301, 157.373

Endorsement Requirements of Business Information Systems

152.252, 157.240, 157.241, 157.340, 157.341, (157.325 or 152.304) and 30 credits at 300-level from the Schedule to the Graduate Diploma in Business Studies, or from papers with College of Business prefixes of 110, 114, 115, 125, 127, 137, 152, 153, 155, 156, 178 or 219.

Business Law

110.289	Taxation	15	P 110.100 or 110.230 or 115.102; R 10.283, 110.274
110.380	Estate and Tax Planning	15	P 110.274 or 110.289, or P or C 125.211
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783
134.220	Business and Professional Ethics	15	P any 100-level BA or BBS paper; R 134.320, 134.219, 134.319
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700
155.203	Law of Business Organisations	15	P 115.103 or 155.202; R 155.200, 155.700
155.210	Commercial Law	15	P 115.103 or 155.202; R 155.200, 155.700
155.301	Employment Law	15	P 115.103 or 155.202 or 114.254, or 153.200 and 153.202; R 152.351, 155.700
155.313	Commercial Transactions Contrary to Conscience	15	P 115.103 or 155.202; R 155.700
155.315	Sport Law	15	P 115.103 or 155.202 recommended
155.700	Fundamentals of Law	30	Graduate status

Endorsement Requirements of Business Law

At least 75 credits selected from 110.380, 110.389, 155.301, 155.313, 155.315 and 155.700. Up to 45 credits selected from 110.289, 134.220, 155.201, 155.203, and 155.210

Note: Regulation 10 is excluded. Candidates must meet all prerequisites.

Coaching (no new enrolments from 2011)

152.200	Contemporary Management	15	P any 100-level paper
234.232	Sport Business	15	P any 100-level paper; R 152.211
234.236	Sport Coaching: Management and Leadership	15	P any 100-level paper; R 152.214
234.315	Fitness and Athletic Conditioning	15	P 152.216 or 234.237 or 214.166 or 234.111; and any 200-level paper; R 152.319
234.331	Sport in the Social Context	15	P any three papers at 200-level; R 152.210, 152.313
234.338	Sport Management/Coaching Practicum	30	P (152.215 or 234.233) and (152.212 or 234.235; or 152.217 or 234.234), or 152.214 or 234.236) and 152.216 or 234.237); R 152.371, 152.372 and 152.376
234.360	Sport Psychology	15	P any three papers at 200-level; R 152.318

Endorsement Requirements of Coaching

152.200, 234.232, 234.236, 234.315, 234.331, and either 234.338; or 234.360 plus one other 300-level business paper.

Communication Management

219.202	Professional and E-Business Writing	15	P any 100-level paper
219.203	Business Communication	15	P any 100-level paper; R 219.100, 114.100
219.204	News Media Processes	15	P any 100-level paper
219.205	Professional Presentations in Business	15	P any 100-level paper
219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263
219.209	Public Relations Practice	15	P any 100-level paper
219.231	Introduction to Journalism	15	P any 100-level paper
219.302	Gender and Communication in Organisations	15	P any 200-level paper
219.303	Organisational Communication	15	P any 200-level paper
219.304	Cross-Cultural Communication	15	P any 200-level paper
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GradDipBusStuds; R 114.363
219.307	Interpersonal Communication	15	P any 200-level paper
219.310	Speech Writing	15	P any 200 level paper

Endorsement Requirements of Communication Management

60 credits from 219.202, 219.203, 219.204, 219.205, 219.206, 219.209, 219.231.

60 credits from 219.302, 219.303, 219.304, 219.305, 219.307, 219.310.

Dispute Resolution

153.200	Introduction to Dispute Resolution	15	P any 100-level paper
153.202	Law and Mediation	15	P any 100-level paper
153.204	Negotiation Principles	15	P any 100-level paper; R 153.307
153.210	Dispute Resolution Practicum	15	P PHOS
153.302	Mediation Process	15	P 153.200
153.306	Negotiation Practice	15	P any 200-level paper
153.310	Arbitration Practicum	15	P PHOS
153.311	Mediation Practicum	15	P PHOS
153.314	Dispute Resolution Advocacy	15	P any 200-level paper; R 153.201
153.315	Adjudicative Processes	15	P 153.200
153.320	Employment Dispute Resolution	15	P any 200-level paper; R 153.708

Endorsement Requirements of Dispute Resolution

153.200; 30 credits from 153 prefix papers at 200-level; 45 credits from 153 prefix papers at 300-level; and a further 30 credits at 300-level from 114, 152, 153 and 155 prefixes.

Economics

178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.210	Economic Policy	15	P 178.100 or 178.110
178.221	Methods of Economic Analysis	15	P 115.106 or any 178.1xx paper
178.240	Managerial Economics	15	P 115.106 or 178.101
178.242	Land Economics	15	P any 100-level Econ paper
178.250	Contemporary Economic Issues	15	P any 100-level paper
178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120, and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201
178.307	Markets, Firms and Consumers	15	P 78.201 or 178.204 or 125.230; or (115.106 or 178.101) and 178.280
178.308	Economic Analysis of Money, Banking and Financial Markets	15	P 15 credits of 178.2xx, R 178.300
178.328	Project Evaluation	15	P any 100-level Econ paper and any 200-level paper
178.350	International Economics	15	P 178.201 or 178.240 or 178.204

178.358	International Trade in Agri-food Products	15	P any 100-level Econ paper or 119.156 and any 200-level paper
178.360	Natural Resource and Environmental Economics	15	P any 100-level Econ paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or any 178.xxx paper; and any 15 credits at 200-level
178.380	Applied Econometrics	15	P 178.220 or 178.280; R 178.321, 178.320

Endorsement Requirements of Economics

At least 30 credits from 178.2xx papers, 60 credits from 178.3xx papers, and up to 30 credits of other papers at 200-level or above from the Schedule to the Graduate Diploma in Business Studies, or from papers with College of Business prefixes of 110, 114, 115, 125, 127, 137, 152, 153, 155, 156, 178 or 219.

Employment Relations Management (no new enrolments from 2012)

Only available through the Employers and Manufacturers Association.

114.297	Human Resource Development	15	P any 100-level paper and PHOS
114.298	Employment Relations Management	15	P any 100-level paper and PHOS
114.368	Special Topic in Occupational Safety and Health	15	P any 200-level paper and PHOS
114.397	The New Zealand Industrial Relations Framework	15	P 114.298
114.398	Labour Negotiation Techniques	15	P 114.298
152.381	Action Learning Management Practicum	15	

Endorsement Requirements of Employment Relations Management

114.297, 114.298, 114.398, two of 114.368 or 114.397 or 152.381, and another 45 credits of which at least 15 credits must be above 200-level.

Entrepreneurship and Small Business

114.241	Managing Human Resources	15	P any 100-level paper
114.2xx		15	P any 100-level paper
114.3xx		15	P any 100-level paper
152.230	Entrepreneurship	15	P any 100-level paper
152.232	Small Business Management	15	P any 100-level paper
152.330	Enterprise Development	15	P any two papers at 200-level
152.333	New Venture Project	15	P any 200-level paper
152.334	Innovation, Creativity and Entrepreneurship	15	P any 200-level paper
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365.
153.306	Negotiation Practice	15	P any 200-level paper
156.200	Marketing for Non-Marketers	15	P any 100-level paper; R 115.104 or 156.100.

Endorsement Requirements of Entrepreneurship and Small Business

152.230, 152.232, 152.330, 152.333, 152.334, 152.336, and 30 credits from 114.241 and 114.3xx; or 156.200 and 152.350; or 114.2xx and 153.306.

Finance

125.211	The Financial Planning Process	15	P any 100-level paper; R 125.210, 125.237, 125.620
125.220	Financial Institutions and Markets	15	P 115.105 or 125.100 recommended; R 125.221, 125.231, 125.621
125.230	Business Finance	15	P 115.105 or 125.100 or 110.109 pre-2009 or 110.100 pre-1997; 115.101 or 161.110 recommended; R 125.201
125.240	Fundamentals of Investment	15	P any 100-level paper for BBS; C 125.211 for GradDipBusStuds; R 125.241
125.241	Introduction to Investments	15	P 115.105 or 125.100; R 125.240
125.250	Financial Modelling	15	P 115.105 and 115.101
125.310	Financial Advice Implementation	15	P 125.240, 125.351, C one of 110.380, 125.342, 125.356, 125.357; R 125.311
125.320	International Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201

125.330	Advanced Business Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
125.340	Investment Analysis	15	P 125.230; and either 125.220 or 125.241; R 125.342
125.342	Investment Planning	15	C 125.220 and P 125.230 or P 125.240; R 125.340, 125.341
125.350	Financial Risk Management	15	P 125.230; and either 125.220 or 125.241
125.351	Personal Risk Management	15	P or C 125.211
125.356	Business Insurance	15	P or C 125.211
125.357	Advanced Issues in Insurance	15	P or C 125.211 or PHOS
125.364	Bank Financial Management	15	P 115.105 and 125.220; R 125.360, 125.361, 125.362, 125.363

Endorsement Requirements of Finance

At least 30 credits from 125.2xx papers, 60 credits from 125.3xx papers, and up to 30 credits of other papers at 200-level or above from the Schedule to the Graduate Diploma in Business Studies, or from papers with College of Business prefixes of 110, 114, 115, 125, 127, 137, 152, 153, 155, 156, 178 or 219.

Note: Regulation 10 is excluded. Candidates must meet all prerequisites.

Human Resource Management

114.240	Organisational Behaviour	15	P any 100-level paper
114.241	Managing Human Resources	15	P any 100-level paper
114.242	Human Resource Development	15	P any 100-level paper
114.254	Managing Employment Relations	15	P any 100-level paper
114.271	Occupational Safety and Health I	15	P any 100-level paper
114.326	Human Resource Practices	15	P 114.241
114.330	Equity and Diversity in the Workplace	15	P any 200-level paper
114.350	Current Issues in Human Resource Management	15	P 114.240, or 114.241 or 114.254
114.396	Strategic Human Resource Management	15	P 114.241
114.3xx		15	
152.3xx		15	

Endorsement Requirements of Human Resource Management

114.240, 114.241, 114.326, 114.330, 114.350, 114.396; and 15 credits from 114.242, 114.254, or 114.271; and 15 credits from 152.3xx or 114.3xx.

Insurance Management (no new enrolments from 2012)

114.240	Organisational Behaviour	15	P any 100-level paper
152.200	Contemporary Management	15	P any 100-level paper
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365.
152.386	Risk Management I	15	P any 200-level paper
152.387	Risk Management II	15	P any 200-level paper

Endorsement Requirements of Insurance Management

152.200, 152.350, 152.386, 152.387, 114.240 and another 45 credits with at least 30 credits at 300-level, as approved by the Head of School.

International Business

125.320	International Finance	15	P 125.230; and one of 125.220 or 125.241 or 110.209 or 178.200 or 178.201
152.200	Contemporary Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper
152.262	Contemporary Issues in International Business	15	P any 100-level paper
152.263	Applied International Trade Management	15	P any 100-level paper
152.269	Principles of E-Business	15	P any 100-level paper
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365
152.366	Operational Management of International Business	15	P any two papers at 200-level
156.231	Strategic Marketing Management	15	P 115.104 or 156.200; R 156.701
178.350	International Economics	15	P 178.201 or 178.240 or 178.204

178.370	Development Economics	15	P 115.106 or any 178.xxx paper; and any 15 credits at 200-level
200.261	World Politics	15	P any 100-level BA paper; R 148.261
219.304	Cross-Cultural Communication	15	P any 200-level paper
xxx.2xx	Language paper	15	
xxx.3xx	Language paper	15	

Endorsement Requirements of International Business

152.200, 152.261, either 152.262 or 152.263; 152.350; 152.366; one paper from 152.269, 156.231, 200.261, a 200-level language paper; and 30 credits from 125.320, 178.350, 178.370, 219.304, a 300-level language paper.

Management

152.200	Contemporary Management	15	P any 100-level paper
152.203	Business and Society	15	P any 100-level paper; R 152.101
152.252	Project Management	15	P any 100-level paper
152.261	International Business	15	P any 100-level paper
153.204	Negotiating Principles	15	P any 100-level paper
152.304	Managing Services	15	P any two papers at 200-level
152.333	New Venture Project	15	P any 200-level paper
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365
152.360	Change Management	15	R 152.303 and 152.341
152.370	Te Whanaketanga o te Pakihi Māori – Advanced Māori Business Development and Management	15	P any 15 credits at 200-level
152.3xx		15	

Endorsement Requirements of Management

152.200, 152.203, 152.336, 152.350, and 15 credits from (152.252, 152.261, or 153.204) and 15 credits from (152.304, 152.333, 152.360, or 152.370) and another 30 credits from 152.3xx papers.

Management and Leadership for Māori Providers

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P any 100-level BA paper
152.252	Project Management	15	P any 100-level paper
152.270	Maori Management	15	P any 100-level paper
152.2xx		15	
114.330	Equity and Diversity in the Workplace	15	P any 200-level paper
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P any 200-level Management paper; R 152.341, 152.365
152.370	Te Whanaketanga o te Pakihi Māori – Advanced Māori Business Development and Management	15	P any 15 credits at 200-level
152.3xx			
219.307	Interpersonal Communication	15	P any 200-level paper

Endorsement Requirements of Management and Leadership for Māori Providers

152.252, 152.270, (150.201 or 152.2xx), 152.336, 152.350, 152.370, and 30 credits from (114.330, 152.3xx and 219.307).

Marketing

156.231	Strategic Marketing Management	15	P 115.104 or 156.200; R 156.701
156.232	Consumer Behaviour	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes; R 156.702
156.233	Marketing Research	15	P 115.104 or 156.100 for BBS; 156.200 or any 75 credits for other Business and non-Business programmes. 115.101 or 161.110 (recommended); R 156.703
156.331	Marketing Strategy	15	P 156.231 and 156.232; R 156.704
156.333	Market Analysis	15	P 156.231 and 156.233

156.334	Marketing Planning	15	P 156.231 and 156.232
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Endorsement Requirements of Marketing

156.231, 156.232, 156.233, 156.331, 156.333, 156.334, and another 30 credits of which at least 15 credits must be above 200-level.

Note: Regulation 10 is excluded. Candidates must meet all prerequisites, except for 156.200 which may be included in this endorsement without a prerequisite.

Personal Financial Planning

125.211	The Financial Planning Process	15	P any 100-level paper; R 125.210, 125.237, 125.620
125.212	Personal Financial Management	15	P any 100-level
125.220	Financial Institutions and Markets	15	P 115.105 or 125.100 recommended; R 125.221, 125.231, 125.621
125.240	Fundamentals of Investment	15	P any 100-level paper for BBS; C 125.211 for GradDipBusStuds; R 125.241
110.380	Estate and Tax Planning	15	P 110.274 or 110.289, or P or C 125.211
125.310	Financial Advice Implementation	15	P 125.240, 125.351, C one of 110.380, 125.342, 125.356, 125.357; R 125.311
125.342	Investment Planning	15	C 125.220 and P 125.230 or 125.240; R 125.340, 125.341
125.351	Personal Risk Management	15	P or C 125.211

Endorsement Requirements of Personal Financial Planning

125.211, 125.212, 125.220, 125.240, 110.380, 125.342, 125.351, 125.310.

Personal Risk Management (no new enrolments from 2012)

125.211	The Financial Planning Process	15	P any 100-level paper; R 125.210, 125.237, 125.620
125.220	Financial Institutions and Markets	15	P 115.105 or 125.100 recommended; R 125.221, 125.231, 125.621
125.240	Fundamentals of Investment	15	P any 100-level paper for BBS; C 125.211 for GradDipBusStuds; R 125.241
110.380	Estate and Tax Planning	15	P 110.274 or 110.289, or P or C 125.211
125.310	Financial Advice Implementation	15	P 125.240, 125.351; C one of 110.380, 125.342, 125.356, 125.357; R 125.311
125.351	Personal Risk Management	15	P or C 125.211
125.356	Business Insurance	15	P or C 125.211
125.357	Advanced Issues in Insurance	15	P or C 125.211 or PHOS

Endorsement Requirements of Personal Risk Management

125.211, 125.220, 125.240, 110.380, 125.310, 125.351, 125.356, 125.357.

Property Management

127.241	Real Estate Valuation and Management	15	P any 100-level paper; R 127.243
127.341	Property Management and Development	15	P 127.241 or P 127.243 or P 127.244
127.342	Real Estate Investments	15	P 127.241 and (127.242 or PHOS)
127.343	Applied Valuation II	15	P 127.242
132.221	Planning Studies	15	P any 100-level paper
138.383	Building Technology: Commercial Buildings	15	P 138.281 or 138.282
155.201	Law of Property	15	P 115.103 or 155.202; R 155.216, 155.700
178.242	Land Economics	15	P any 100-level Econ paper

Endorsement Requirements of Property Management

127.241, 132.221, 155.201, 178.242, 127.341, 138.383 and 30 credits from 127.342, 127.343, 115.377.

Public Relations (no new enrolments from 2012)

156.200	Marketing for Non-Marketers	15	P any 100-level paper; R 115.104 or 156.100
219.202	Professional and E-Business Writing	15	P any 100-level paper
219.204	News Media Processes	15	P any 100-level paper

219.206	Communication and Technological Change	15	P any 100-level paper; R 114.263, 14.263
219.209	Public Relations Practice	15	P any 100-level paper
219.231	Introduction to Journalism	15	P any 100-level paper
219.303	Organisational Communication	15	P any 200-level paper
219.304	Cross-Cultural Communication	15	P any 200-level paper
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GradDipBusStud; R 114.363
219.307	Interpersonal Communication	15	P any 200-level paper
219.309	International Case Studies in Public Relations	15	P any 200-level paper
219.310	Speech Writing	15	P any 200 level paper
219.335	Media Law and Ethics	15	P any 30 credits at 200-level; R 219.331

Endorsement Requirements of Public Relations

219.204, 219.209, 219.305, 15 credits from 219.202, 219.206, 219.231, 156.200, and 60 credits from 219.303, 219.304, 219.307, 219.309, 219.310, 219.335.

Real Estate (no new enrolments)

Rural Valuation

119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil for GradDipRurStud; R 111.231, 111.251, 111.252
127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
138.255	Engineering Principles in Food and Fibre Production	15	P any 100-level paper
119.381	Decision-Making in Primary Industry	15	P 119.281; R 111.351
119.382	Opportunity Analysis in Primary Industry	15	P 119.381; R 111.352 and 127.355
127.356	Rural Valuation	15	P 127.242 or 127.255

Endorsement Requirements of Rural Valuation

119.281, 127.242, 138.255, 119.381, 119.382, 127.356, and another 30 credits, at least 15 credits of which must be at 300-level, approved by the Head of School.

Sport Management

152.200	Contemporary Management	15	P any 100-level paper
234.232	Sport Business	15	P any 100-level paper; R 152.211
234.233	Sport Facility and Event Management	15	P any 100-level paper; R 152.310, 152.215
234.234	Sport Management Planning and Promotion	15	P any 100-level paper; 152.217
234.235	Outdoor Recreation Management	15	P any 100-level paper; R 152.212

234.331	Sport in the Social Context	15	P any three papers at 200-level; R 152.210, 152.313
234.338	Sport Management/Coaching Practicum	30	P (152.215 or 234.233) and (152.212 or 234.235; or 152.217 or 234.234), or 152.214 or 234.236) and 152.216 or 234.237; R 152.371, 152.372 and 152.376
234.360	Sport Psychology	15	P any three papers at 200-level; R 152.318

Endorsement Requirements of Sport Management

152.200, 234.232, (234.235 or 234.234), 234.233, 234.331, 234.360 and 234.338.

Tax Consultancy (no new enrolments from 2011)

110.230	Introductory Financial and Management Accounting	15	P any 100-level paper; R 110.109, 10.110, 10.213 (1999), 110.215
110.289	Taxation	15	P 110.100 or 110.230 or 115.102; R 10.283, 110.274
110.380	Estate and Tax Planning	15	P 110.274 or 110.289, or P or C 125.211
110.389	Advanced Taxation	15	P 110.109 or 110.215 or 110.230; and 110.289 or 110.274; R 110.783
110.3xx		15	
125.2xx		15	

Endorsement Requirements of Tax Consultancy

110.230, 110.289, 125.2xx, 110.380, 110.389, 110.3xx plus 30 credits of other papers at 200-level or above, including at least 15 credits from above 200-level, from Part II of the Schedule for the BBS degree.

Note: Regulation 10 is excluded, except for 110.230 which may be taken without a prerequisite.

Urban Valuation

127.241	Real Estate Valuation and Management	15	P any 100-level paper; R 127.243
127.242	Applied Valuation I	15	P any 100-level paper; R 127.255
127.341	Property Management and Development	15	P 127.241, 127.243 or 127.244
127.342	Real Estate Investments	15	P 127.241 and (127.242 or PHOS)
127.343	Applied Valuation II	15	P 127.242
138.281	Building Technology: Construction and Design	15	P any 100-level paper; R 138.254 and 138.282
138.383	Building Technology: Commercial Buildings	15	P 138.281 or 138.282
178.242	Land Economics	15	P any 100-level Econ paper

Endorsement Requirements of Urban Valuation

127.241, 127.242, 138.281, 178.242, 127.341, 127.342, 127.343, 138.383.

The Graduate Diploma in Design GDipDes

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Graduate Diploma in Design requires that the candidate will:
 - (a) have qualified for admission to a degree; or
 - (b) have been admitted under the admission with the equivalent status regulation; or
 - (c) be assessed as demonstrating equivalent practical, professional and scholarly experience at the appropriate level;

- (d) or have completed a minimum of 360 credits of a Massey design degree including 75 credits at 300-level.
- (e) be partially based on the assessment of a portfolio of work submitted by the applicant.
- (f) An interview may be required.

Academic Requirements

2. A candidate shall follow an approved coherent course of study.
3. To qualify for the award of the Graduate Diploma in Design, a candidate shall pass papers to a total of at least 120 credits from the Schedules of Papers for the Bachelor of Design degree or Bachelor of Design (Honours) degree, including a maximum of 45 credits at 200 level and a minimum of 75 credits at 300 level or above.

Endorsement

4. The Graduate Diploma may be awarded with or without endorsement. To obtain an endorsement, a candidate shall pass a minimum of 75 credits in one of the following areas: Industrial Design (198 prefix), Fashion Design

(212 prefix), Photography (221 prefix), Spatial Design (224 prefix), Textile Design (223 prefix) or Visual Communication Design (222 prefix).

Student Progression

- The Graduate Diploma in Design will carry the award of Distinction if completed at a superior standard (equivalent to First Class Honours), or Merit (equivalent to Second Class Honours, Division One) within one year of first enrolling in full-time study or within three years of first enrolling in part-time study.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

- The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

Variations and Personal Course Approvals

- Candidates may transfer from an incomplete graduate qualification in design or related programme of study credits constituting not more than 25% of the Graduate Diploma in Design.

Transitional Provisions

- All candidates who are commencing the Graduate Diploma in Design on or after 1 January 2014 must satisfy the requirements of these regulations.
- Candidates who commenced the Graduate Diploma prior to 1 January 2014 and who have achieved at least 45 credits may complete the qualification under the 2013 regulations, or for credit already completed satisfy the requirements of these regulations through transfer of such credit to these regulations for papers with prefix numbers 197, 198, 212, 213, 221, 222, 223, 224, or 225.
- No student enrolled before 2014 will be required to complete more than 120 credits to graduate as a consequence of the introduction of these regulations.
- These transition regulations expire at the end of 2015.

The Graduate Diploma in Education GradDipEd

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

- Before enrolling for this diploma candidates shall:
 - have been admitted to a university degree or approved diploma or have satisfied the Academic Board that they are academically qualified to undertake the course; and
 - have satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.
- Every course of study shall comprise a minimum of 120 credits with no more than 45 credits at 200-level and at least 75 credits at 300-level or above.

- Candidates shall pass papers from:

- 200-, 300-, 400- or 700-level Education papers; and/or
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267.599	Research Investigation	30	R 180.599
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- Candidates will comply with the Regulations for each paper as apply in the respective programmes in which the paper is prescribed. Candidates may study papers in the Graduate Diploma of Teaching (Primary) programme or any other papers with the approval of the College Pro Vice-Chancellor or nominee.
- Candidates shall either complete to the satisfaction of the Academic Board of the University and of the Board of Studies recognised Education papers and teaching practice required for admission to teaching or submit evidence to the satisfaction of the Academic Board that two years of efficient service in the practice of teaching or in educational work of a related character have been completed.
- The Academic Board may in such exceptional circumstances as it thinks fit approve a course of study that does not conform to the foregoing Regulations.

The Graduate Diploma in Emergency Management GradDipEmergMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Admission to the Graduate Diploma in Emergency Management is open to students who have completed a university degree or other approved qualification combined with sufficient background or experience in civil defence or emergency management.

Course Requirements

- Candidates shall complete 120 credits including 30 credits from List A and 90 credits from List B.

List A, Compulsory papers 30 credits from:

130.201	Introduction to Civil Defence Emergency Management in New Zealand	15	
130.301	Incident Command Systems	15	
List B, Qualification Papers, 90 credits from the following papers, with at least 60 credits at 300-level:			
114.242	Human Resource Development	15	
114.271	Occupational Safety and Health I	15	
114.272	Occupational Safety and Health II	15	
132.221	Planning Studies	15	
152.200	Contemporary Management	15	
152.252	Project Management	15	
175.201	Social Psychology	15	
114.355	Management Development	15	
131.321	Strategies for Sustainable Development	15	
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P Any 200 level Management paper; 152.341, 152.365

152.360	Change Management	15	P any 200-level paper; R 152.303, 152.341
152.386	Risk Management I	15	
152.387	Risk Management II	15	
193.304	Animal Emergency Response	15	P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD
219.303	Organisational Communication	15	
219.305	Public Relations Management	15	
219.307	Interpersonal Communication	15	
219.335	Media Law and Ethics	15	

Note

Subject to approval by the Head of School (or delegate), students may substitute up to 15 credits from relevant papers at the 200- or 300-level for a paper in List B.

Transition Provisions

- These regulations take effect on 1 January 2012.
- Candidates who have commenced study and passed at least 30 credits towards the Graduate Diploma in Emergency Management prior to 1 January 2012 may transfer to the 2012 (or later) regulations at their next enrolment.
- Candidates who have commenced study and passed at least 15 credits towards the Graduate Diploma in Emergency Management prior to 1 January 2012 may be eligible to transfer to either the Graduate Certificate in Emergency Management or the Postgraduate Diploma in Emergency Management. Transfer eligibility depends on the level of papers completed and level of academic achievement; refer to relevant regulations for those qualifications.

The Graduate Diploma in Environmental Health GradDipEH

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

- Before enrolment for this diploma a candidate shall have:
 - qualified for the award for a university degree or have been admitted with equivalent status; or
 - gained at least 330 credits towards a relevant under-graduate degree in Applied Science, Engineering, Health Science, Nursing, Science or Technology (including at least 60 300-level credits in the majoring subject) provided that:
 - the candidate's previous work for the degree is of a satisfactory standard;
 - the candidate enrolls for the remaining paper or papers for the degree in the first year of enrolment for the Graduate Diploma in Environmental Health; and
 - should the candidate not pass the remaining paper or papers for the degree in the first year of enrolment for the Graduate Diploma in Environmental Health, the diploma shall not be awarded (or the continuation of the diploma course shall be suspended) until the requirements of the Bachelor degree have been completed.
- To qualify for the award of the Diploma the candidate shall pass papers at 200-level or above to a total of at least 120 credits, of which at least 60 are at 300-level or above.
- The candidate will be expected to complete all the core papers specified in Part A of the schedule with a further 30 credits selected from papers in

Part B of the schedule. However, with written approval of the Academic Director a maximum of 30 credits may be replaced by papers that are outside the Schedules, but complementary to the programme.

- Where a course of study includes a paper for which prerequisites or corequisites are listed in the Calendar, candidates must fulfil these requirements unless exemption is formally granted by the Programme Director for the Diploma.
- In the case of sufficient merit a candidate may be awarded the Diploma with Distinction.

Schedule to the Regulations for the Graduate Diploma in Environmental Health

Part A: Core papers

214.213	Toxic Substances, Human Health and the Environment	15	
214.215	Food Safety and Human Health	15	
214.216	Environmental and Public Health Law	15	
214.311	Epidemiology and Communicable Diseases	15	
214.312	Environmental Monitoring and Investigative Methods	15	
214.317	Human Health and the Environment	15	

Part B: Elective papers

150.202	Hauora Tangata: Maori Health Foundations	15	Any 100-level BA paper
214.314	Water and Waste Treatment	15	
214.316	Bio-Physical Effects of Noise and Vibration	15	
114.372	Occupational Hygiene	15	

The Graduate Diploma in Fine Arts GDipFA

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Graduate Diploma in Fine Arts requires that the student will:
 - have qualified for admission to a degree; or
 - have been admitted under the admission with the equivalent status regulation; or
 - be assessed as demonstrating equivalent practical, professional and scholarly experience at the appropriate level; and

- (d) be partially based the assessment of a portfolio of work submitted by the applicant; and
- (e) may require an interview at the discretion of the University.

Academic Requirements

2. To qualify for the award of the Graduate Diploma in Fine Arts, a student shall pass papers to a total of at least 120 credits from the Schedules of Papers for the Bachelor of Fine Arts or Bachelor of Fine Arts (Honours) degree.
3. A maximum of 45 credits at 200-level and a minimum of 75 credits at 300-level or above including 213.341 and 213.342 are required.

Endorsement

4. The Graduate Diploma in Fine Arts is awarded without endorsement.

Student Progression

5. The Graduate Diploma in Fine Arts will carry the award of Distinction if completed at a superior standard (equivalent to First Class Honours), or Merit (equivalent to Second Class Honours, Division One) within one year of first enrolling in full-time study or within three years of first enrolling in part-time study.
6. The Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

7. The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

Variations and Personal Course Approvals

8. Students may transfer from an incomplete graduate qualification in fine arts, or related programme of study, credits constituting not more than 25% of the Graduate Diploma in Fine Arts.

Transitional Provisions

9. All candidates who are commencing the Graduate Diploma in Fine Arts on or after 1 January 2014 must satisfy the requirements of these regulations.
10. Candidates who commenced the Graduate Diploma in Fine Arts prior to 1 January 2014 may complete the qualification under the 2013 regulations, or for credit already completed satisfy the requirements of these regulations through transfer of such credit to these regulations for papers with 213 prefix numbers.
11. No student enrolled before 2014 will be required to complete more than 120 credits to graduate as a consequence of the introduction of these regulations.
12. These transition regulations expire at the end of 2015.

The Graduate Diploma in Information Sciences GradDiplInfSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

1. Before enrolment for the Graduate Diploma in Information Sciences a candidate shall have:
 - (a) qualified for the award for a university degree or have been admitted with equivalent status; or
 - (b) gained at least 330 credits for the Degree of Bachelor of Information Sciences (including at least 60 300-level credits in the majoring subject) provided that:
 - (i) the candidate's previous work for the Degree of Bachelor of Information Sciences is of a satisfactory standard;
 - (ii) the candidate enrolls for the remaining paper or papers for the Degree of Bachelor of Information Sciences in the first year of enrolment for the Graduate Diploma in Information Sciences; and

(iii) should the candidate not pass the remaining paper or papers for the Degree of Bachelor of Information Sciences in the first year of enrolment for the Graduate Diploma in Information Sciences, the diploma shall not be awarded (or the continuation of the diploma course shall be suspended) until the requirements for the Bachelor of Information Sciences Degree have been completed.

2. To qualify for the award of the Graduate Diploma in Information Sciences the candidate shall pass papers at 200-level or above to a total of at least 120 credits, of which at least 60 are at 300-level or above.
3. At least 90 credits must be from papers listed in the Schedules for the BInfSc and BInfSc(Hons) degrees, including at least 60 credits at 300-level or above. Up to 30 credits may be approved from papers that are outside these schedules, but complementary to the programme.
4. Where a course of study includes a paper for which prerequisites or corequisites are listed in the Calendar, candidates must fulfil these requirements unless exemption is formally granted by the Programme Director for the Diploma.
5. The Diploma may be awarded with endorsement in a subject if at least 60 credits at 300-level or above have been obtained from papers listed under that subject in the BInfSc Schedule or the BInfSc(Hons) Schedule.
6. In the case of sufficient merit a candidate may be awarded the Diploma with Distinction.

The Graduate Diploma in Journalism Studies GDipJS

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Graduate Diploma in Journalism Studies requires that the candidate will:
 - (a) meet the University admission requirements as specified, and;

- (b) shall have been awarded or qualified for an undergraduate degree or an equivalent qualification, or;
- (c) have been admitted to the qualification on the basis of equivalent relevant professional experience.

Qualification Requirements

2. Candidates for the Graduate Diploma in Journalism Studies shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - (a) papers selected from the Schedule to the Qualification
 - (b) at least 120 credits above 100-level of which at least 75 credits must be at 300-level;
 And including:
 - (c) any compulsory papers listed in the Schedule for the Qualification

- (d) attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

3. The Graduate Diploma in Journalism Studies is awarded without specialisation.

Completion Requirements

4. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
5. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Certificate in Business Studies should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

6. The general Unsatisfactory Academic Progress regulations will apply.

Transitional Provisions

7. All candidates commencing study towards the Graduate Diploma in Journalism Studies on or after January 2015 must satisfy the requirements specified in these regulations
8. All candidates who commenced study towards the Graduate Diploma in Journalism Studies prior to 2015, and who have passed 219.232 Feature Writing and Freelancing, may complete under the regulations as specified in the 2014 Massey University Calendar (or earlier regulations) until the end of the 2016 academic year.

9. Candidates who commenced study towards the Graduate Diploma in Journalism Studies in 2014 or earlier may choose to transfer to these regulations, but must satisfy all requirements as specified.
10. Candidates who commenced study towards the Graduate Diploma in Journalism Studies prior to 2015, but who have not completed the qualification by the end of the 2016 academic year, or who have not completed 219.232 Feature Writing and Freelancing prior to the commencement of the 2015 academic year, will be required to transfer to these regulations.
11. In all cases candidates must complete the qualification within the timeframes for completion as specified in the Completion Requirements.
12. These transition arrangements expire at the end of 2016.

Schedule to the Graduate Diploma in Journalism Studies

219.204	News Media Processes	15	P any 100-level paper
219.231	Introduction to Journalism	15	P any 100-level paper
219.234	Editing and Publishing	15	P any 30 credits or one of 219.100, 230.100, 139.107 or 119.177
219.305	Public Relations Management	15	P 219.209; or any 200-level paper for GDipJS and GradDipBusStuds; R 114.363
219.335	Media Law and Ethics	15	P any 30 credits at 200-level; R 219.331
219.336	Investigative Reporting	15	P any 200-level paper; R 219.332
219.339	History of Journalism	15	P any 200-level paper
219.340	Feature Writing and Freelancing	15	P 219.231; R 219.232

The Graduate Diploma in Logistics and Supply Chain Management GradDipL&SCM

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

1. Before enrolment for the Graduate Diploma in Logistics and Supply Chain Management a candidate shall have:
- qualified for the award of a university degree, a diploma or a qualification approved for the purpose of these Regulations by the Academic Board, or have been granted admission with equivalent status as entitled to proceed to the Graduate Diploma in Logistics and Supply Chain Management; and
 - satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.
2. To qualify for the award of the Graduate Diploma in Logistics and Supply Chain Management a candidate must have completed a course of study totalling at least 120 credits, comprising:

240.260	Logistics and Supply Chain Fundamentals	15	
240.261	Logistics Management	30	
240.262	Transportation Systems	15	
240.362	Industry Trends and Applications	15	
240.363	Supply Chain Management	30	P 240.260, 240.261 or PPD; R 240.360, 240.361

Plus 15 credits from:

240.364	Purchasing and Supply Management	15	P 240.260 or 240.261 or PPD; R 240.360, 240.361
240.365	Distribution Strategy and Demand Chain Management	15	P 240.260 or 240.261 or PPD; R 240.360, 240.361

In exceptional circumstances a student may, with the approval of Academic Board, be permitted to substitute one paper of the diploma for another offered by the University, where the student can demonstrate that this substitution will make the diploma more applicable to their needs.

3. Students whose work is of outstanding merit throughout the course and in the Diploma examinations shall, on the recommendation of the examiners and the Academic Board be awarded the Diploma with Distinction, provided that the diploma has been completed in one year (full-time students) or three years (part-time students).

The Graduate Diploma in Occupational Safety and Health GradDipOSH

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

1. Before enrolment for this Diploma candidates shall:
- have been admitted or qualified for admission to a university degree, or a diploma or qualification approved for the purpose of these Regulations by the Academic Board, or have been admitted with equivalent status; and
 - have satisfied Academic Board that they have achieved professional competence in safety management, personnel management, industrial

relations, training and development, or a closely related field and that they are likely to benefit from the course.

2. To qualify for the Diploma candidates shall have passed 120 credits from sections (a) and (b):
 - (a) 60 credits of compulsory papers:
114.271, 114.272, 114.374, 128.300.
 - (b) 60 credits of elective papers of which at least 45 credits must be at 300-level
114.240, 114.242, 114.254, 114.370*, 114.372, 152.386;
or other papers above 100-level as approved by the Head of School.
For graduate membership of IOSH (UK) the following elective papers must be included; 114.240, 114.370*, 114.372.

* Block Course Fee applies

3. Candidates shall take all papers, except if a candidate has already passed a University examination in one of the prescribed papers or in a paper with substantially the same prescription and of the same standard, the candidate may be allowed by the Board to offer another approved paper that has not already been passed.
4. Candidates are deemed to have met the prerequisite requirements for the 200-level papers specified when they have been admitted to candidature for this Diploma.
5. In a case of sufficient merit, a candidate may be awarded the Diploma with Distinction, provided that the course of study does not extend beyond 36 months of part-time study.

The Graduate Diploma in Public Sector Management GradDipPSM

No new enrolments from 2012

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

1. Candidates for the Diploma in Public Sector Management shall, before entering upon a course of study for the diploma, satisfy the Academic Board of their fitness and ability to undertake the course and shall have fulfilled the following conditions:
 - (a) have qualified for the award of a university degree; or
 - (b) have been admitted with equivalent status to proceed to the Diploma in Public Sector Management; and
 - (c) have achieved appropriate practical experience sufficient to satisfy the requirements of the DipPSM Admission Committee.
2. Notwithstanding any other provision of these Regulations, the Academic Board may require candidates to demonstrate their fitness for admission to the course by undertaking such tests, carrying out such work, and passing such examinations as the Board may determine.
3. A candidate's course of study may not exceed three years, unless a period of suspension or extension is approved by the Academic Board.

To qualify for a Diploma, a candidate shall pass the following papers:

115.301	Public Sector Human Resource Management	15	P GDPSM Admission
115.302	Public Sector Policy Management	15	P GDPSM Admission
115.303	Public Sector Financial Management	15	P GDPSM Admission
115.304	Public Sector Planning Management	15	P GDPSM Admission
115.305	Public Sector Service Delivery Management	15	P GDPSM Admission
115.306	Special Topic in Public Sector Management (Practicum) (A)	15	P GDPSM Admission
115.307	Public Sector Evaluation Management	15	P GDPSM Admission

115.309	Special Topic in Public Sector Management (Practicum) (B)	15	P GDPSM Admission
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Local Government Endorsement:

115.311	Human Resource Management in Local Government	15	P GDPSM Admission
115.312	Policy Management in Local Government	15	P GDPSM Admission
115.313	Financial Management in Local Government	15	P GDPSM Admission
115.314	Planning Management in Local Government	15	P GDPSM Admission
115.315	Service Delivery Management in Local Government	15	P GDPSM Admission
115.316	Special Topic	15	P any 200-level paper
115.317	Evaluation Management in Local Government	15	P GDPSM Admission
115.319	Special Topic	15	P any 200-level paper

Te Aratau Endorsement:

115.301	Public Sector Human Resource Management	15	P GDPSM Admission
115.302	Public Sector Policy Management	15	P GDPSM Admission
115.303	Public Sector Financial Management	15	P GDPSM Admission
115.304	Public Sector Planning Management	15	P GDPSM Admission
115.305	Public Sector Service Delivery Management	15	P GDPSM Admission
115.306	Special Topic in Public Sector Management (Practicum) (A)	15	P GDPSM Admission
115.307	Public Sector Evaluation Management	15	P GDPSM Admission
115.308	Nga Ahuatanga (Contemporary Māori Development)	15	P GDPSM Admission

4. An alternative paper may be offered. This is 115.310 Public Sector Reform and Change Management. On approval of the DipPSM Board of Studies, candidates may pass this paper as a replacement to any one paper above.
5. In case of sufficient merit, a candidate may be awarded the Diploma with Distinction, provided that the course of study does not extend beyond three years.

The Graduate Diploma in Quality Systems GradDipQS

Students previously enrolled in the Graduate Diploma in Quality Assurance prior to 2005 may elect to transfer to the Graduate Diploma in Quality Systems with full transfer of credit for papers already passed. Please contact the Programme Director, College of Sciences for programme approval.

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate

Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

- Before enrolment for the Graduate Diploma in Quality Systems a candidate shall have:
 - qualified for the award of a university degree, a diploma or a qualification approved for the purpose of these Regulations by the Academic Board, or have been granted admission with equivalent status as entitled to proceed to the Graduate Diploma in Quality Systems; and
 - satisfied the Academic Board that they have sufficient background of professional experience to be likely to benefit from the course.
- To qualify for the award of the Graduate Diploma in Quality Systems the candidate shall pass a total of 120 credits selected from:

287.341	Quality Systems Design	15	P 228.292; R 143.341
287.455	Advanced Industrial Management Practices	15	P 287.342 or 287.343; R 143.455, 143.469
152.252	Project Management	15	
Plus 15 credits selected from:			
287.737	Quality and People	15	P Graduate status and PPD; R 143.787
287.736	Service Quality	15	P Graduate status and PPD; R 143.786
287.735	Quality Improvement	15	P Graduate status and PPD; R 143.785

Plus 60 credits selected from:

114.240	Organisational Behaviour	15	
114.242	Human Resource Development	15	
125.230	Business Finance	15	
128.300	Ergonomics/Human Factors: Work, Performance, Health and Design	15	
152.304	Managing Services	15	
152.366	Operational Management of International Business	15	
240.260	Logistics and Supply Chain Fundamentals	15	
287.342	Agile Manufacturing	15	R 143.329, 143.342
287.343	Creating Product Flow	15	P 282.334; R 143.331, 143.343
	Approved Massey elective	15	

Notes

- Any 700-level paper taken in the GDipQS that is also offered in the PGDipQS may not subsequently be counted in the PGDipQS, or re-taken by any student progressing from GDipQS to PGDipQS
- A maximum of 45 credits may be taken in 200-level papers.
- Students whose work is of outstanding merit throughout the course and in the Diploma examinations shall, on the recommendation of the examiners and the Academic Board, be awarded the Diploma with Distinction.

The Graduate Diploma in Rural Studies GradDipRurStud

The Graduate Diploma in Rural Studies provides an opportunity for candidates to select a course of study, internal and/or extramural-based, on the wide range of papers normally offered in the Applied Degree Programmes. It provides for either specific or broad based studies.

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

Eligibility

- Before enrolment in the Graduate Diploma in Rural Studies a candidate shall have:
 - qualified for the award for a university degree or qualification approved for the purpose of these Regulations by the Academic Board; or
 - been admitted to the University under the admission with equivalent status regulations. Before enrolment, equivalent status candidates shall satisfy the Academic Board that they have sufficient maturity and a reasonable chance of successfully completing the Diploma given their academic background and/or relevant experience.

Requirements

- To qualify for award of the Graduate Diploma in Rural Studies candidates shall pass the examination requirements for not fewer than 120 credits. The course shall consist of not more than 45 credits at 100 and 200 level. The remainder shall be at 300-level or higher.
- The candidate may include not more than 30 credits from Professional Development (5 credit) papers.
- The course shall include no fewer than 60 credits selected from degree level papers in the 112, 117, 119, 138, 188, 189, 233, 238, 239, 283, 284, 285, 286 and approved 127 series papers listed in the schedules to the Bachelor of AgriCommerce and Bachelor of AgriScience programmes.

- Where a course includes a combination of papers approved for the purpose by the Academic Board, the Diploma may be awarded with an endorsement in one of the following areas: Agribusiness, Animal Production, Equine Management, Farm Forestry, Farm Management, Land Use Management, Landscape Management, Life Cycle Management, Lifestyle Farming, Livestock Improvement, Natural Resource Management, Pastoral Agriculture, Plant Protection, Production Horticulture, Ruminant Nutrition, Rural Banking, Rural Valuation, Value Chain Management. The Diploma will also be offered without an endorsement.
- The candidate's enrolment in a paper will be confirmed only after approval by the Programme Director for the Graduate Diploma in Rural Studies.
- A candidate may not credit any paper to the GradDipRurStud for which an R grade (restricted pass) has been awarded.
- Candidates who have satisfied the examination requirements of papers in any uncompleted degree or postgraduate diploma programme offered by a New Zealand university may apply to have the papers transferred to the Diploma as determined by the Academic Board. No papers may be cross-credited from completed degree or diploma programmes.
- Up to 45 200-level credits may be cross-credited from an awarded Graduate Diploma in Rural Studies to the Bachelor of AgriCommerce, or Bachelor of AgriScience or Bachelor of Environmental Management degree (or other programmes).
- Candidates are deemed to have met the prerequisite requirements for the 200-level papers specified in an endorsement when they have been admitted to candidature for that endorsement, unless explicitly excluded from this provision in the endorsement rules below.
- In the case of sufficient merit a candidate may be awarded the Diploma with Distinction, provided they finish within four calendar years of initial enrolment in the programme.

Schedules to the Graduate Diploma in Rural Studies

Agribusiness

112.248, 112.302, 178.358, and 239.373 or 119.373 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

112.248	Food and Agribusiness Value Chains	15	P 119.180, nil for GradDipRuralStud
112.302	Food and Agribusiness Strategies	15	P 112.248
178.358	International Trade in Agri-Food Products	15	P Any 100 level economics paper and any 200-level paper
119.373	Integrative Studies	15	P Students must have achieved 240 credits

Or

239.373	AgriCommerce Capstone	15	P Students must have achieved 240 credits; C 112.302; R 112.301, 119.373
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Animal Production

117.152, 117.254, one paper from 117.34x series and 117.371 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

117.152	Animals and Agriculture	15	R 117.151, 199.101
117.254	Principles of Animal Science and Production	15	P One of 117.152, 119.154, 194.101 or 199.101
117.371	Animal Production	15	P 117.254; R 117.351, 117.352, 117.353, 117.355, 117.346

Equine Management

Two papers from 286.251, 286.211, 286.221, 286.222, 286.351, 286.701 or 286.711 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

286.251	Equine Behaviour, Training and Welfare	15	R 117.256
286.211	Equine Reproduction and Breeding	15	P 15 credits at 100-level; R 117.258
286.222	The Equine Lower Limb	15	P One of 117.161, 286.131, 117.154 or 286.101; R 117.260
286.221	Structure and Function of the Equine Athlete	15	P 286.131 or 117.161; R 117.259
286.321	Responses to Training in the Equine Athlete	15	P 286.211 or 117.359; R 117.359
286.701	Advanced Equine Production	15	P PPD; R 117.777
286.711	Equine Science	15	P PPD and Graduate status; R 117.763

Farm Forestry

283.101, 283.321, 283.322, 189.363 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

283.101	Plants in Agriculture	15	
283.321	Trees on Farms	15	P 15 credits at 200-level; R 171.304
283.322	Landscape Revegetation	15	P 15 credits at 200-level paper; R 171.364
189.363	Soil Resources and Sustainable Land Use	15	P One of 189.251, 189.252, 233.210 or 233.310

Farm Management

119.281, 119.358, 119.381, 119.382 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101; nil for GDipRuralStudies; R 111.231, 111.251,
119.358	Agricultural Production Systems	15	P 119.154 or 286.131 or 117.161 or 214.171 or 234.120, nil for GradDipRurStud; R 119.357
119.381	Decision-Making in Primary Industry	15	P 119.281 or 111.251; R 111.351
119.382	Opportunity Analysis in Primary Industry	15	P 119.381 or 111.351; R 111.352

Land Use Management

189.251, 119.281, 119.381, 233.251 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

189.251	Soil Fertility and Fertilisers	15	P 189.151
119.281	Decision Tools for Primary Industries	15	P 119.180, and one of 117.152, 189.151, 283.101, 284.101, 286.101 nil for Grad DipRurStud; R 111.251, 111.231
119.381	Decision-Making in Primary Industry	15	P 119.281 or 111.251; R 111.351
233.251	GIS and Remote Sensing	15	P one of 233.101, 189.151, 145.121 or 158.100

Landscape Management

121.103, 188.263, 283.322, 284.322 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

121.103	New Zealand Environments	15	
188.263	Environmental Science I	15	P 121.103
283.322	Landscape Revegetation	15	P 15 credits at 200-level paper; R 171.364
284.322	Managing the Landscape	15	P 188.263 or 121.212 or PPD; R 171.365

Life Cycle Management

115.106, 112.248, 178.358, 238.700 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

112.248	Food and Agribusiness Value Chains	15	P 119.180, nil for GradDipRuralStud
115.106	Economics	15	
178.358	International Trade in Agri-food Products	15	P Any 100 level economics paper and any 200-level paper
238.700	Life Cycle Assessment (LCA) and Footprinting Principles	15	P Any 100-level Statistics or Mathematics papers and Graduate status; R 238.300

Lifestyle Farming

189.151, 117.254 or 284.201, 283.201, plus 15 credits from the 117.3xx or 283.3xx, or 284.3xx series of papers and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

117.254	Principles of Animal Science and Production	15	P One of 117.152, 119.154, 194.101 or 199.101
189.151	Soil Properties and Processes	15	
283.201	Pasture and Crop Agronomy	15	P 15 credits at 100-level; R 171.202
284.201	Horticultural Production Systems	15	P One of 171.127, 171.128, 284.101; R 171.227

Livestock Improvement

117.254, 117.345, 117.371, one paper from the 117.7xx series, and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

117.254	Principles of Animal Science and Production	15	P One of 117.152, 119.154, 194.101 or 199.101
117.345	Genetics for Livestock Improvement	15	P 117.254
117.371	Animal Production	15	P 117.254; R 117.351, 117.352, 117.353, 117.355, 117.346

Natural Resource Management

115.106, 188.263, 188.363, 178.360 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

115.106	Economics	15	
188.263	Environmental Science I	15	P 121.103

188.363	Environmental Science II	15	P 188.263 and either (a) practical work related to land use systems, or (b) one or more of the following papers: 111.251, 119.258, 119.259, 171.202, 196.205
178.360	Natural Resource and Environmental Economics	15	P Any 100-level economics paper and any 200-level paper, R 178.242

Pastoral Agriculture

189.151, 283.201, 117.254, 283.301 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

189.151	Soil Properties and Processes	15	
117.254	Principles of Animal Science and Production	15	P One of 117.152, 119.154, 194.101 or 199.101
283.201	Pasture and Crop Agronomy	15	P 15 credits at 100-level; R 171.202
283.301	Pasture Production and Practice	15	P 283.201; R 171.301

Plant Protection

285.201, either 283.201 or 284.201, 283.311, 285.301 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

285.201	Understanding Plant Protection	15	P One of 120.101, 171.102, 283.101, 171.127, 171.128 or 284.101; R 171.284
283.201	Pasture and Crop Agronomy	15	P 15 credits at 100-level; R 171.202
284.201	Horticultural Production Systems	15	P 171.127 or 171.128 or 284.101; nil for GDipRurStud; R 171.227
285.301	Controlling Plant Pests and Diseases	15	P One of 285.201, 171.284, 283.101 or 171.202; R 171.387

Production Horticulture

119.281, 284.201, 284.301, 284.302 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101 nil for Grad DipRurStud; R 111.251, 111.231
284.201	Horticultural Production Systems	15	P 171.127 or 171.128 or 284.101; nil for GDipRurStud; R 171.227
284.301	Horticultural Crop Development and Yield	15	P 284.210 or 171.227; R 171.351
284.342	Horticultural Productivity and Quality	15	P 284.210, 171.227; R 171.352

Ruminant Nutrition

117.254, 119.281, 117.342, 117.761 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

117.254	Principles of Animal Science and Production	15	P One of 117.152, 119.154, 194.101 or 199.101
119.281	Decision Tools for Primary Industries	15	P 119.180 and one of 117.152, 189.151, 283.101, 284.101, 286.101 nil for Grad DipRurStud; R 111.251, 111.231
117.342	Animal Nutrition	15	P 117.254
117.761	Ruminant Livestock Feeding	15	P 117.254 or PPD or Graduate status

Rural Banking

119.281, 119.381, 119.382, an approved paper from the 127.2xx series of papers and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

119.281	Decision Tools for Primary Industries	15	P 119.180, and one of 117.152, 189.151, 283.101, 284.101, 286.101 nil for Grad DipRurStud; R 111.251, 111.231
119.381	Decision-Making in Primary Industry	15	P 119.281, or 111.251 or 111.231; R 111.351
119.382	Opportunity Analysis in Primary Industry	15	P 119.381 or 111.351; R 111.352

Rural Valuation

119.382, 138.331, 127.242 or 127.255, 127.356 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

119.382	Opportunity Analysis in Primary Industry	15	P 119.381 or 111.351; R 111.352
127.242	Applied Valuation I	15	R 127.255
127.255	Rural Valuation I	15	R 127.242
127.356	Rural Valuation	15	P 127.255 or 127.242
138.331	Building Technology: Rural Facilities	15	P 138.281; R 138.382

Value Chain Management

112.248, 112.302, 240.261 and another 60 credits shall be selected from the schedules of any other programme at Massey University approved as relevant to the candidate's course.

112.248	Food and Agribusiness Value Chains	15	P 119.180, nil for GradDipRuralStuds
112.302	Food and Agribusiness Strategies	15	P 112.248
240.261	Logistics Management	30	R 115.261

The Graduate Diploma in Science GradDipSc

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

1. Before enrolment for the Graduate Diploma in Science a candidate shall have:
 - (a) been admitted or qualified for the award for a university degree or have been admitted with equivalent status; or
 - (b) gained at least 330 credits for the Degree of Bachelor of Science (including at least 60 300-level credits in the majoring subject) provided that:

(i) the candidate's previous work for the Degree of Bachelor of Science is of a satisfactory standard;

(ii) the candidate enrolls for the remaining paper or papers for the Degree of Bachelor of Science in the first year of enrolment for the Graduate Diploma in Science; and

(iii) should the candidate not pass the remaining paper or papers for the Degree of Bachelor of Science in the first year of enrolment for the Graduate Diploma in Science, the Diploma shall not be awarded (or the continuation of the Diploma course shall be suspended) until the requirements for the Bachelor of Science Degree have been completed.

2. To qualify for the award of the Graduate Diploma in Science a candidate shall pass papers at 200-level or above to a total of at least 120 credits, of which at least 60 are at 300-level or above.
3. At least 90 credits must be from papers listed in the Schedules for the BSc and MSc degrees, or the Schedule at the end of these regulations,

including at least 60 credits at 300-level or above. Up to 30 credits may be approved from papers that are outside these Schedules, but complementary to the programme.

4. Where a course of study includes a paper for which prerequisites or corequisites are listed in the Calendar, candidates must fulfil these requirements unless exemption is formally granted by the Programme Director for the Diploma.
5. The Diploma may be awarded with endorsement in a subject if at least 60 credits at 300-level or above have been obtained from papers listed under that subject in the BSc Schedule, the MSc or BMLSc Schedule.
6. In the case of sufficient merit a candidate may be awarded the Diploma with Distinction.

Transitional Provisions

7. Candidates enrolled for the Diploma in Science prior to 1999 may complete the GradDipSc with at least 105 credits, including at least 54

credits at 300-level or above, using the credits value for each paper that applied at the time it was passed.

Schedule to the Regulations for the Graduate Diploma in Science

Students may not enrol in the following 202 series papers unless they are employed in an ISO15189-accredited diagnostic medical laboratory in New Zealand.

202.471	Advanced Haematology	60	P 202.381
202.472	Advanced Transfusion Science	60	P 202.382
202.473	Advanced Histological Technique	60	P 202.372
202.476	Human Cytogenetics	60	P 202.371
202.477	Immunology and Virology	60	P162.384, 162.389
202.478	Advanced Clinical Biochemistry	60	P 122.382, 162.389
202.479	Diagnostic Medical Microbiology	60	P 162.384

The Graduate Diploma of Teaching (Early Childhood Education) GradDipTchg(ECE)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission to Preservice Teacher Education Programmes

1. Candidates admitted to a Preservice Teacher Education Programme shall before enrolment have:
 - (a) satisfied all the normal requirements for entry to the University and have been granted admission to graduate study; and
 - (b) met the requirements set down by the New Zealand Teachers' Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
2. While the University will endeavour to meet the general terms and requirements of the New Zealand Teachers' Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers' Council.
3. Candidates selected for this programme must either:
 - (a) hold a New Zealand teacher education (Primary) degree or a New Zealand teacher education (Primary) three-year diploma or equivalent which meets the requirements of the New Zealand Teachers' Council for registration as a teacher in New Zealand, or
 - (b) hold an overseas teacher education (Primary) degree or overseas teacher education (Primary) three-year diploma or equivalent and be registered as a teacher with the New Zealand Teachers Council, or
 - (c) hold New Zealand university graduate status; and
 - (d) hold a qualification(s) approved by the New Zealand Teachers Council as appropriate for entry; and
 - (e) have completed approved papers in education to the value of at least 30 credits.
4. Admission to the programme shall be granted or withheld upon consideration of the criteria in regulations 1 and 3, and upon an interview for selection where this is required.

Cancellation of Registration in Preservice Teacher Education Programmes

5. Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
6. Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student

must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.

7. If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.
8. Candidates enrolled in a Graduate Diploma of Teaching (Early Childhood Education) will be excluded from re-enrolment for that diploma on the following basis:
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 60 academic credits or failure to pass at least 50% of an approved part-time course of study in any academic year; or
 - (c) failure to complete the Graduate Diploma of Teaching (Early Childhood Education) within two years from the date of first enrolment.

Candidates excluded under (a), (b) or (c) above will only be re-admitted to the Graduate Diploma of Teaching (Early Childhood Education) with the approval of the Academic Board. Any appeal against exclusion will be considered by a committee established by the College Pro Vice-Chancellor or nominee.

Course of Study

9. To qualify for the award of the Graduate Diploma of Teaching (Early Childhood Education) candidates shall pass papers to a total of 120 credits in:

Professional Studies and Teaching Experience
Curriculum Subject Studies.

10. The course of study must include:

(a) Professional Studies and Teaching Experience:

265.470	Learning and Teaching in Early Childhood Settings	15	R 185.470
265.471	Learning and Development in Early Childhood Contexts	15	R 185.471
265.472	Advanced Studies of Infants and Toddlers	15	R 185.472
265.485	Professional Inquiry and Practice Early Childhood Education	15	P 185.470 or 265.470; R 136.485
270.322	Perspectives in Early Years Education	15	R 185.322, 186.322, 265.322

(b) Curriculum Subject Studies:

265.473	Integrating Early Childhood Curriculum: Numeracy and Literacy	15	R 185.473
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The Graduate Diploma of Teaching (Primary) GradDipTchg(Primary)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission to Preservice Teacher Education Programmes

- Candidates admitted to a Preservice Teacher Education programme shall before enrolment have:
 - satisfied all the normal requirements for entry to the University; and
 - met the requirements set down by the New Zealand Teachers' Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- While the University will endeavour to meet the general terms and requirements of the Teachers' Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers' Council.
- Admission to the programme shall be granted or withheld upon consideration of criteria 1(a) and (b) and upon an interview for selection where this is required.
- In addition to the usual entry requirements candidates will:
 - hold New Zealand university graduate status, and
 - hold a qualification(s) approved by the New Zealand Teachers Council as appropriate for entry; their qualifications will include subjects closely related to the New Zealand Curriculum Framework; and
 - have demonstrated competence in literacy and numeracy.

Cancellation of Registration in Preservice Teacher Education Programmes

- Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
- Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.
- If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.

- Candidates enrolled in a Graduate Diploma of Teaching (Primary) will be excluded from re-enrolment for that diploma on the following basis:
 - failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - failure to pass papers totalling at least 60 academic credits or failure to pass at least 50% of an approved part-time course of study in any academic year; or
 - failure to complete the Graduation Diploma of Teaching (Primary) within two years from the date of first enrolment.

Candidates excluded under (a), (b) or (c) above will only be re-admitted to the Diploma of Teaching (Primary) course with the approval of the Academic Board. Any appeal against exclusion will be considered by a committee established by the College Pro Vice-Chancellor or nominee.

Course of Study

- To qualify for the award of the Graduate Diploma of Teaching (Primary), candidates shall follow for not less than one calendar year a course of study comprising 165 credits. All candidates are required to pass the following papers:

Professional Practice

278.420	Teaching Experience I	15	R 136.442
278.421	Teaching Experience II	15	P 278.421; R 136.443
278.461	Classroom Enquiry	15	

Contextual Knowledge

278.422	Teaching in Context I	15	R 185.435
278.423	Teaching in Context II	15	P 278.422; R 185.436

Content Knowledge

278.424	Mathematics Teaching in the Primary School	15	R 210.438
278.425	Effective Pedagogy in Mathematics	15	P 278.424; R 210.438
278.426	Literacy Development and Pedagogy	15	R 206.437
278.427	Literacy Assessment and Instruction	15	P 278.426; R 206.437
278.428	Education in Science, Social Science and Technology	15	R 210.438
278.429	Education in the Arts, Hauora and Learning Languages	15	R 181.439, 206.437; 210.438;

Transition Arrangements

- Students who first enrolled prior to 2011 will be permitted to complete their course of study under the Regulations that were in place at the time of their enrolment. These transition arrangements will expire in 2013.

The Graduate Diploma of Teaching (Secondary) GradDipTchg(Sec)

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission to Preservice Teacher Education Programmes

- Candidates admitted to a Preservice Teacher Education Programme shall before enrolment have:
 - satisfied all the normal requirements for entry to the University; and
 - met the requirements set down by the New Zealand Teachers' Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.

2. While the University will endeavour to meet the general terms and requirements of the New Zealand Teachers' Council in good faith, the final decision for registration is at the discretion of the New Zealand Teachers' Council.
3. Admission to the programme shall be granted or withheld upon consideration of criteria 1(a) and (b) and upon an interview for selection where this is required.
4. Candidates selected for this programme must:
 - (a) hold New Zealand university graduate status; and
 - (b) hold a qualification(s) approved by the New Zealand Teachers Council as appropriate for entry; and
 - (c) have completed approved papers at 300- or 400-level in a subject area(s) deemed suitable for teaching in New Zealand secondary schools.

Cancellation of Registration in Preservice Teacher Education Programmes

5. Massey University may cancel or refuse to permit the registration of a student in an Initial Teacher Education programme if a student, in the opinion of the University, is found not to meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher.
6. Should a student in an Initial Teacher Education programme be convicted of an offence against the law after entry into the programme, the student must advise the College Pro Vice-Chancellor or their nominee of the conviction within seven days.
7. If the Pro Vice-Chancellor is of the opinion that the student does not meet in general terms the requirements set down by the New Zealand Teachers Council for registration as a teacher in New Zealand in terms of good character and fitness to be a teacher, the student's registration in the Initial Teacher Education programme will be cancelled.
8. Candidates enrolled in a Graduate Diploma of Teaching (Secondary) will be excluded from re-enrolment for that Diploma on the following basis:
 - (a) failure to obtain a pass in a compulsory paper for which they have been enrolled for two occasions;
 - (b) failure to pass papers totalling at least 60 academic credits or failure to pass at least 50% of an approved part-time course of study in any academic year; or
 - (c) failure to complete the Graduate Diploma of Teaching (Secondary) within two years from the date of first enrolment.

Candidates excluded under (a), (b) or (c) above will only be re-admitted to the Diploma of Teaching (Secondary) course with the approval of the Academic Board. Any appeal against exclusion will be considered by a committee established by the College Pro Vice-Chancellor or nominee.

Programme of Study

9. To qualify for the award of the Diploma of Teaching candidates shall pass papers to a total of 120 credits in:
 - Teaching Studies
 - Teaching Experience
 - Curriculum Subject Studies.
10. Each student's course of study is subject to the approval of the College Pro Vice-Chancellor or nominee. The course of study must include:

(a) Teaching Studies

260.490	Teaching in Context I	15	R 136.490
260.491	Teaching in Context II	15	P 260.490; R 136.490
260.492	Teaching and Learning in a Secondary Context	15	R 136.491

(b) Teaching Experience

260.483	Secondary Teaching Experience I	15	R 260.483
260.484	Secondary Teaching Experience II	15	P 260.483 or 260.483; R 260.484

(c) Curriculum Subject Studies Schedule One

At least one of the following papers:

253.353	Guidance Principles and Practice	15	R 260.353
260.420	Teaching Mathematics	15	R 260.420
260.422	Teaching Science	15	R 260.422
260.426	Teaching Technology	15	R 260.426
260.429	Teaching Languages	15	R 260.429
260.431	Teaching English	15	R 260.431
260.434	Teaching Social Studies	15	R 260.434
260.438	Teaching Music	15	R 260.438
260.441	Teaching Health and Physical Education	15	R 260.441
260.444	Teaching Visual Arts	15	R 260.444

(d) Curriculum Subject Studies Schedule Two

One of the following papers:

260.421	Teaching Senior Mathematics	15	R 260.421
260.423	Teaching Senior Agriculture/Biology/Horticulture	15	R 260.423
260.427	Teaching Senior Technology	15	R 260.427
260.430	Teaching Senior Languages	15	R 260.430
260.432	Teaching Senior English	15	R 260.432
260.435	Teaching Senior History	15	R 260.435
260.437	Teaching Senior Commerce	15	R 260.437
260.439	Teaching Senior Music	15	R 260.439
260.442	Teaching Senior Physical Education	15	R 260.442
260.445	Teaching Senior Visual Arts	15	R 260.445

(e) Curriculum Subject Studies Schedule Three

One of the following papers:

260.420	Teaching Mathematics	15	R 260.420
260.422	Teaching Science	15	R 260.422
260.424	Teaching Senior Chemistry	15	R 260.424
260.425	Teaching Senior Physics	15	R 260.425
260.428	Teaching Graphics	15	R 260.428
260.431	Teaching English	15	R 260.431
260.433	Teaching Drama	15	R 260.433
260.434	Teaching Social Studies	15	R 260.434
260.436	Teaching Senior Geography	15	R 260.436
260.440	Musicianship for School Instrumental Music Teachers	15	R 260.440
260.443	Teaching Health	15	R 260.443
260.446	Teaching Senior Art History	15	R 260.446

The Graduate Diploma in Technology GDipTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

1. Before enrolment for the Graduate Diploma in Technology a candidate shall:
 - (a) have been awarded or qualified for the award of a university degree, or have been admitted with graduate equivalent status; or
 - (b) be no more than 30 credits short of completing a Massey University undergraduate degree (including having gained at least 60 credits at the highest level of the degree), provided that:

(i) the candidate's previous work for the degree is of a satisfactory standard;

(ii) the candidate enrolls for the remaining paper or papers for the Degree in the first year of enrolment for the Graduate Diploma in Technology; and

(iii) should the candidate not pass the remaining paper or papers for the Degree in the first year of enrolment for the Graduate Diploma in Technology the Diploma shall not be awarded until the requirements for the Degree have been completed.

2. To qualify for the award of the Graduate Diploma in Technology a candidate shall pass papers at 200-level or above to the value of 120 credits drawn from Schedules A and B, including not less than 60 credits at 300-level or higher. At least 90 credits must come from Schedule A and not more than 30 credits may be included from Schedule B.
3. The Graduate Diploma in Technology may be awarded with or without endorsement. To qualify for an endorsement the candidate shall obtain either:
 - (a) a minimum of 60 credits at 300-level or above from the list of papers for a major in a degree listed in Schedule A, provided that if the degree major includes more than 60 credits at 400-level then at least 30 credits in the endorsement must be at 400-level. In all such cases the name of the endorsement is the name of the major; or
 - (b) a minimum of 75 prescribed credits, of which at least 45 credits are at 300-level or above, for a Diploma listed in Schedule A. In all such cases the name of the endorsement is the name of the Diploma.
4. In a case of sufficient merit a candidate may be awarded the Graduate Diploma with Distinction.

Recognition of Prior Learning

5. (a) No credit will be granted towards the Graduate Diploma from a completed university qualification.

(b) The Programme Director may grant an exemption from the requirement to complete a compulsory paper for an endorsement if the candidate has already passed a university paper of equivalent content and standard. The candidate must substitute and pass another paper that better meets the candidate's needs, whilst conforming to the overall academic standard of the endorsement; such exemptions are limited to no more than 30 credits.

6. Candidates must fulfil prerequisite and corequisite requirements listed for particular papers in other parts of the Calendar, or the requirements of prerequisite programme Parts for degrees structured as consisting of several Parts, unless exemption is formally granted by the Programme Director on the basis of knowledge obtained by the candidate through prior learning.

Schedule A

All 200-, 300-, 400-, 500- and 700-level papers for the following degrees and diplomas:

Bachelor of Construction

Bachelor of Engineering (Hons)

Bachelor of Food Technology (Hons)

Master of Engineering

Master of Technology

Postgraduate Diploma in Technology

Graduate Diploma in Quality Systems.

Schedule B

Papers at 200-level or above listed in the Schedules for other degrees of Massey University.

GRADUATE CERTIFICATES

The Graduate Certificate in Arts	317	The Graduate Certificate in Teaching English as an Additional Language	318
The Graduate Certificate in Emergency Management	317		
The Graduate Certificate in Science and Technology	318		

The Graduate Certificate in Arts GCertArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Graduate Certificate in Arts requires that the candidate will:
 - meet the University admission requirements as specified; and
 - have been awarded or qualified for the award of Bachelor's Degree or an equivalent qualification.

Course Requirements

- To qualify for the award of the Certificate, a candidate shall pass papers at 200- and 300-level to a total of at least 60 credits, with at least 45 credits at 300-level. All 60 credits must be taken from Part II of the Schedule for the Bachelor of Arts degree.

Endorsements

- The Graduate Certificate in Arts may be endorsed in a subject area. The subject areas offered as endorsements are those subject areas available as majors in the Bachelor of Arts degree. Endorsements may also be offered in some subject areas available as minors in the Bachelor of Arts degree.
- To qualify for the award of an endorsement at least 45 credits, including 30 credits at 300-level, must be completed in a single subject area.

Endorsements:

Chinese	Māori Studies
Classical Studies	Mathematics
Defence Studies	Media Studies
Development Studies	Philosophy
Economics	Politics
Education	Psychology
English	Security Studies
Environmental Studies	Social Anthropology
Geography	Social Policy
History	Sociology
Japanese	Spanish
Linguistics	Statistics

Progression to Further Study

- A candidate who has completed the requirements for the Graduate Certificate in Arts may apply to transfer the Graduate Certificate papers towards an undergraduate diploma, undergraduate degree, or graduate diploma of the University, provided that any such papers shall comply with the Regulations for the particular qualification.
- A candidate who has been awarded a Graduate Certificate in Arts and subsequently enrolls for the Graduate Diploma in Arts may surrender the Graduate Certificate towards the Graduate Diploma. All papers completed as part of the Graduate Certificate in Arts will then be transferred to the Graduate Diploma in Arts.
- A candidate who has been awarded a Graduate Certificate in Arts may apply to cross-credit up to 15 credits of Graduate Certificate papers towards an undergraduate diploma or undergraduate degree of the University, provided that any such credit shall comply with the Regulations for the particular qualification. A candidate who wishes to credit papers totalling more than 15 credits in terms of this Regulation will be required to surrender the Graduate Certificate in Arts before the transfer of credit will be granted.

The Graduate Certificate in Emergency Management GradCertEmergMgt

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Admission to the Graduate Certificate in Emergency Management is open to students who have completed a university degree or other approved qualification combined with sufficient background or experience in civil defence or emergency management.

Course Requirements

- A candidate shall follow a course of study comprising papers to the value of 60 credits including 30 credits from List A (Compulsory Papers) and 30 credits from List B (Qualification Papers).

List A. Compulsory Papers, 30 credits from:

130.201	Introduction to Civil Defence Emergency Management in New Zealand	15	
130.301	Incident Command Systems	15	
List B, Qualification Papers, 30 credits from:			
114.355	Management Development	15	
131.321	Strategies for Sustainable Development	15	
152.336	Leadership	15	R 152.328, 152.329
152.350	Strategic Management and Governance	15	P Any 200 level Management paper; R 152.341, 152.365
152.360	Change Management	15	P any 200-level paper; R 152.303, 152.341
152.386	Risk Management I	15	
193.304	Animal Emergency Response	15	P [(193.204 or 117.254) and (122.102 or 122.222)]; or 130.201; C 193.301 and 193.306; or PPD
219.303	Organisational Communication	15	
219.305	Public Relations Management	15	
219.307	Interpersonal Communication	15	

Note: Subject to approval by the Head of School (or delegate), students may substitute up to 15 credits from relevant papers at the 300-level for a paper in the elective list (B).

Transition Provisions

- Candidates who have completed at least 15 credits towards the Graduate Diploma in Emergency Management prior to 1 January 2012 may apply to transfer up to 30 credits towards the Graduate Certificate in Emergency Management. Candidates who have completed 130.705, 130.701 or 130.702 may be granted qualification credits at 300-level.

The Graduate Certificate in Science and Technology GCertScTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates, unless otherwise stated in Part II below.

Part II

- Before enrolment for the Graduate Certificate in Science and Technology a candidate shall:
 - have been awarded or qualified for the award of a university degree, or have been admitted with graduate equivalent status; or
 - be no more than 30 credits short of completing a Massey University undergraduate degree (including having gained at least 60 credits at the highest level of the degree), provided that:
 - the candidate's previous work for the degree is of a satisfactory standard;
 - the candidate enrolls for the remaining paper or papers for the degree in the first year of enrolment for the Graduate Certificate in Science and Technology; and
 - should the candidate not pass the remaining paper or papers for the Degree in the first year of enrolment for the Graduate Certificate in Science and Technology, the diploma shall not be awarded (or the continuation of the certificate course shall be suspended), until the requirements for the degree have been completed.
- To qualify for the award of the Graduate Certificate in Science and Technology a candidate shall pass papers at 200-level or above to the value of 60 credits, of which at least 45 credits are at 300-level or above.
- At least 45 credits must be from the Schedule at the end of these Regulations. The remaining 15 credits may be from an approved paper outside this Schedule.
- The Graduate Certificate may be awarded with an endorsement in an approved subject or without an endorsement. To qualify for an endorsement the candidate shall pass a cohesive set of papers (at least 45 credits) as approved by the Programme Director. The name of the endorsement shall be that of an approved subject within the College of Sciences.

Recognition of Prior Learning

- No credit will be granted towards the graduate certificate from a completed university qualification.
- Candidates must fulfil prerequisite and corequisite requirements listed for particular papers in other parts of the Calendar, or the requirements of prerequisite programme Parts for degrees structured as consisting of several Parts, unless exemption is formally granted by the Programme Director.

Schedule to the Regulations for the Graduate Certificate in Science and Technology

Approved 200-, 300-, 400-, or 700-level papers from the 112, 117, 119, 120, 121, 122, 123, 124, 138, 141, 145, 151, 157, 158, 159, 160, 161, 162, 175, 188, 189, 194, 196, 199, 203, 204, 214, 216, 217, 218, 228, 232, 233, 234, 235, 236, 238, 239, 240, 246, 247, 280, 281, 282, 283, 284, 285, 286, 501 or 502 series of papers or:

141.206	Applied Food Science	15	P 123.101 or 123.103 or 119.153 or equivalent
141.208	Food Preservation	15	P 162.101 or 119.154 or equivalent
141.355	Added-Value Processing of Food Products	15	P 141.206 and 141.208
141.356	Food Formulation and Assessment	15	P 141.206
151.243	Nutritional Biochemistry	15	P 123.101 or equivalent; R 122.102
151.344	Principles of Nutrition	15	P 122.102 or 151.243; C 122.102 or 151.243; R 151.232, 151.244, 151.701
151.345	Nutrition Throughout the Life Cycle	15	P 151.243 and 151.344 or equivalent; R 151.331, 151.333
151.346	Topics in Nutrition	15	P 151.243 and 151.344 or equivalent; R 151.322 and 151.334
141.755	Added-Value Processing of Food Products	15	P (280.201 or 141.222 or 162.212 or 162.214) and Graduate status; R 141.355
218.741	Light and Lighting	15	P Graduate status and PAD
218.742	Lamps and Luminaires	15	P Graduate status and PPD, 218.741; R 140.742
218.743	Interior Lighting Design	15	P Graduate status and PPD, 218.741, 218.742; R 140.743
218.744	Energy Efficient Lighting and Exterior Lighting Design	15	P Graduate status and PPD, 218.741, 218.742, 218.743; R 140.744

The Graduate Certificate in Teaching English as an Additional Language GradCertTEAL

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Before enrolment, candidates shall provide evidence that they:
 - have been admitted to a university degree or diploma; or

- have completed at least two years of relevant practical, professional, or scholarly experience; and
- have access to teaching a group of learners of English as an additional language within a formal educational setting (see Note 1).

Course of Study

- To qualify for the award of the Graduate Certificate students must undertake a coherent programme with a total value of not fewer than 60 credits, including at least three 15 credit papers at 300-level or higher from the following schedules:
 - Two compulsory papers (30 credits):

257.370	Teaching Learners of English as Another Language	15	P 207.375 or 257.375; R 207.370
257.375	Learning English as Another Language	15	P Any 200-level paper in Education or Language Studies; R 207.375; Notes 2 and 3
(b) Elective papers to the value of 30 credits, at least 15 credits of which must be at 300-level or above, from the following:			
172.233	Language Learning Processes	15	P Any 100-level BA or BEd paper
219.304	Cross-Cultural Communication	15	P Any 200-level paper
254.337	Teaching of Pacific Island Students in New Zealand Contexts	15	R 187.337
254.377	Teaching and Learning Languages up to Year 10	15	R 207.377
269.372	Understanding Migrant Cultures in Aotearoa/New Zealand	15	R 182.372
269.373	Ethnic Relations in Education	15	R 182.373

- (c) One elective paper (15 credits) may be replaced by an approved language or education paper at 200-level or above.

Notes

1. For the purposes of this programme, a relevant practice situation may be a school or other approved institution, or be teaching under the New Zealand English Language Partners scheme (formerly ESOL Home Tutors, see <http://www.esolht.org.nz>).
2. Those students who have already credited 257.375 or 257.370 to a previously awarded qualification will be unable to enrol in the Grad Cert TEAL programme unless they surrender the previously awarded qualification. Those students should consult the HoS for further course advice.
3. Subject to HoS agreement, a candidate may replace one 200-level paper from schedule (b) with another relevant paper.

Transition Arrangements

3. Students who enrolled at Massey University in the Certificate in Teaching English as an Additional Language prior to 2012 will not be disadvantaged if they have completed papers under Schedule B.

UNDERGRADUATE DIPLOMAS

The Diploma in Adult Education*	321	The Diploma in Fashion Design and Technology*	334
The Diploma in AgriCommerce*	322	The Diploma in Fine Arts	335
The Diploma in Agriculture	322	The Diploma in Health Science	335
The Diploma in Arts	322	The Diploma in Human Development	336
The Diploma in Business Studies	333	The Diploma in Photography*	336
The Diploma in Communication	333	The Diploma in Rehabilitation Studies	336
The Diploma in Design	334	The Diploma in Science and Technology	337
The Diploma for Education Support Workers	334	The Diploma in Visual Arts	338

* No new enrolments

The Diploma in Adult Education DipAdultEd

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

- Admission to the diploma shall be subject to the approval of the Academic Board.
- Candidates for entry to the Diploma in Adult Education shall:
 - hold appropriate qualifications and/or experience in the occupation or discipline area in which they teach adult learners;
 - be currently engaged in adult or tertiary education or training, or have access to adult learners and organisations in order to fulfil the practical requirements of the programme.

Course of Study

- The course of study of every candidate shall consist of one compulsory zero credit teaching experience paper (273.200) and 240 credits (16 papers) at 100-, 200- and 300-level chosen from those listed in the Schedules to these Regulations. The following requirements must be fulfilled:
 - Not more than 150 credits (10 papers) shall be at the 100-level.
 - At least 90 credits (6 papers) at 100-level and at least 90 credits (6 papers) at 200-level shall be completed from Schedule One, including 273.183 Adult Education Practicum.
 - The remaining 60 credits (4 papers) may be selected from Schedules One or Two.
- The Academic Board may in such exceptional cases as it thinks fit approve a personal course of study that does not conform to the foregoing Regulations.
- Candidates who have been awarded the Certificate in Adult Education may cross-credit up to 45 100-level credits to the Diploma in Adult Education course. A candidate who wishes to credit more than 45 credits will be required to surrender the Certificate before the credits will be granted.
- Candidates must provide evidence of completing at least 400 hours of satisfactory adult or tertiary teaching experience this will be credited as 273.200 once provided. Teaching experience hours that have already been completed as part of a prior Certificate in Adult Education do not need to be repeated in a candidate's Diploma in Adult Education course.

Transition Provisions

- A candidate who has been enrolled in the Advanced Diploma in Tertiary Teaching under Wellington Polytechnic Academic Board Regulations may be able to complete their studies under those Regulations or choose

to complete under the Massey University Diploma in Adult Education Regulations.

Schedule One

Compulsory papers:

273.183	Adult Education Practicum	15	P At least 30 100-level credits from Schedule One; R 187.183
273.200	Adult or Tertiary Teaching Experience	0	

Elective papers:

269.332	Māori Issues in Education	15	R 182.332
273.180	Introduction to Adult Learning and Teaching	15	R 187.180
273.181	Adult Teaching Strategies	15	R 187.181
273.182	Training Skills for the Workplace	15	R 187.182
273.186	Course Planning and Assessment for Adult Learning	15	R 187.186
273.189	Interpersonal Skills in Adult Learning	15	R 187.189
273.206	Adult Learning	15	R 187.278
273.270	Teaching Adults	15	P Any 100-level paper; R 187.270
273.274	Curriculum Development for Adult Learning	15	R 187.274
273.276	Assessment in Adult Learning Contexts	15	R 187.276
273.281	New Ideas in Adult Teaching	15	R 187.281
273.282	Teaching Young Adults	15	R 187.279
273.293	Negotiated Adult Learning Project I	15	R 187.293
273.370	Professional Development and Practice in Adult Education	15	P Any 200-level paper; R 187.370
273.371	Advanced Studies in Adult Learning	15	R 187.371
273.372	Advanced Studies in Adult Teaching	15	R 187.372
273.373	Adult Learning and Teaching Project	15	R 187.373
273.376	Culture, Society and Adult Education	15	R 187.376
273.395	Policy and Issues in Adult Education	15	R 187.395

Additional papers:

Such other papers as may be approved by the Academic Board.

Schedule Two

Papers listed for other Bachelor degrees.

The Diploma in AgriCommerce

DipAgriCommerce

No new enrolments under these regulations from 2010.

Students enrolled for this programme in 2009 may continue under the regulations in the 2009 Massey University Calendar.

The Diploma in Agriculture

DipAg

Qualification Regulations

Part I

These Regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma in Agriculture requires that the candidate will have completed, to the satisfaction of Academic Board, 12 months farm employment, and one of the following:
 - have gained University Entrance; or
 - have successfully completed an approved NQF Level 4 qualification, or equivalent, and achieved the literacy and numeracy requirements for University Entrance.

Qualification Requirements

- Candidates for the Diploma in Agriculture shall follow a parts-based course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - Parts One and Two as specified in the Schedule for the Qualification; and including
 - attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Diploma in Agriculture is awarded without specialisations.

Student Progression

- Candidates are required to complete all papers from Part One before proceeding to Part Two.

- The Academic Board, in restricted circumstances and on the advice of the examiners, may award a combined results pass. Paper 119.101 Farm Production Systems must be passed with a minimum C grade.

Completion Requirements

- A candidate's course of study may not exceed four years from date of first enrolment in the Diploma in Agriculture.
- Candidates may be graduated when they meet the Admission, Qualification, and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Foundation Certificate in Agriculture should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part One

117.006	Animal Production and Health	15
283.006	Pasture and Crop Production	15
189.006	Soil Productivity	15
119.106	Farm and Industry Study	15

Part Two

119.116	Farm Management	15	
117.106	Animal Production	15	
119.101	Farm Production Systems	15	P 111.101 or PPD; C 117.106, 119.116, 138.106
138.106	Agricultural Engineering	15	

The Diploma in Arts

DipArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma in Arts requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Diploma in Arts shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - not more than 75 credits at 100-level; and including:

- a paper in written communication as specified in Part I of the Schedule for the Diploma;
- at least 90 credits from the Schedule for the Diploma;
- up to 30 credits from the Schedule for any undergraduate degree, including not more than 15 credits above 100-level;
- attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Diploma in Arts may be awarded with or without an endorsement.
- Candidates may complete an endorsement by passing at least 75 credits from a single endorsement, including not more than 30 credits at 100-level. The requirements for each endorsement are specified in Part II of the schedule to the Diploma.
- Approved endorsements for the Diploma in Arts are: Asian Studies, Chinese, Classical Studies, Defence Studies, Development Studies, Economics, Education, Educational Psychology, English, Environmental Studies, Expressive Arts, French, Geography, History, Japanese,

Linguistics, Māori Studies, Mathematics, Media Studies, Music, New Zealand Studies, Philosophy, Politics, Psychology, Rehabilitation Studies, Religious Studies, Security Studies, Social Anthropology, Social Policy, Sociology, Spanish, Statistics, Women's Studies.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Certificate in Arts should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part I: Written Communication Requirement

15 credits from:

230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
192.102	Academic Writing in English for Speakers of Other Languages	15	

Note

Students whose prior education was not in English should normally take 192.102.

Part II: Endorsement Requirements

Asian Studies

At least 75 credits in Asian Studies, including at least 45 credits above 100-level from the Asian Studies schedule. The endorsement must include at least 45 credits from prefixes 134, 135, 146, 200.

135.101	Hinduism and Buddhism	15	
135.104	Introduction to Sanskrit	15	
241.101	Chinese 1A	15	R 169.141, 169.142; Notes 1, 3
241.102	Chinese 1B	15	P 241.101 or PHOS; R 169.141, 169.142; Notes 1, 3
241.103	Chinese Cultural World	15	R 169.143
241.105	Business Chinese	15	R 169.254, 201.205; Note 8
241.106	Chinese for Heritage Speakers A	15	P Chinese heritage or non-native (L2) intermediate proficiency or PHOS; Notes 1, 4, 5, 7; R 241.101, 241.102, 241.201, 241.202, 241.301 R 169.121, 169.122. This paper is not suitable for native speakers of Japanese, discuss options with the Head of School or Programme Coordinator
242.101	Japanese 1A	15	P 242.101 or PHOS; R 169.121, 169.122. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator
242.102	Japanese 1B	15	P 242.101 or PHOS; R 169.121, 169.122. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator
242.103	Introduction to Japanese Culture	15	R 169.123
134.215	Asian Philosophies	15	P Any 100-level BA paper; R 134.315
135.204	East Asian Religions	15	P Any 100-level BA paper; R 135.304
135.210	Islam: Religion and Society	15	P Any 100-level BA paper
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
241.201	Chinese 2A	15	P 241.102 or 169.141 and 169.142 or PHOS; R 241.241, 241.242, 169.241, 169.242; Notes 1, 3
241.202	Chinese 2B	15	P 241.201 or PHOS; R 241.241, 241.242, 169.241, 169.242; Notes 1, 3
241.206	Chinese for Heritage Speakers B	15	P 241.106 or pre-advanced non-native (L2) proficiency; Notes 1, 4, 6, 7; R 241.101, 241.102, 241.201, 241.202, 241.301, 241.302;

241.203	20th Century Chinese Literature and Society	15	R 169.243
241.204	Chinese Film	15	P Any 100-level BA paper; R 169.244
242.201	Japanese 2A	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.221, 169.222. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator
242.202	Japanese 2B	15	P 242.201 or PHOS; R 169.221, 169.222. This paper is not suitable for native speakers of Japanese, discuss other options with the Head of School or Programme Coordinator.
242.203	Japanese Language and Society	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.224
242.205	Japanese Cinema	15	P Any 100-level BA paper; R 169.227
135.305	Religious Writings	15	P Any two 200-level papers, at least one of which must be in Religious Studies; R 135.205
146.302	Regional Ethnography: Asia	15	P Any 200-level BA paper
146.311	Medical Systems of China, India and the West	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
200.302	Israel/Palestine and the Arab World	15	P Any 200-level BA paper
241.304	Chinese Grammar	15	P 241.241 and 241.242 or 169.241 and 169.242 or PHOS, Note 2; R 169.344
241.305	Translation from and into Chinese	15	P 241.241 and 241.242 or 169.241 and 169.242 or PHOS, Note 2; R 169.343
242.304	Reading and Writing about Current Japan	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.324
242.305	Readings in Modern Japanese Literature	15	P 242.202 or 169.221 and 169.222 or PHOS; C 242.301 and 242.302 or PHOS; R 169.326

Notes

- Not suitable for native speakers of Chinese.
- Suitable for native speakers of Chinese.
- Not suitable for heritage speakers.
- Heritage speakers typically possess aural and oral skills but limited reading and writing skills. The term refers to those (1) born in a Chinese-speaking country but who received limited formal education in that country up to the second grade, or (2) who were born in a non-Chinese-speaking country but raised in a home where Mandarin (or Mandarin and another dialect) was spoken and possess limited reading and writing skills in Chinese.
- Intermediate non-native (L2) proficiency refers to students with Chinese NCEA Level 2, or those with up to two years' formal study in China.
Pre-advanced non-native (L2) proficiency refers to students with Chinese NCEA Level 3, or those with up to three years' formal study in China.
- Students enrolling in 241.106 or 241.206 for the first time must complete the Chinese Language Ability Declaration. The form can be found at: <http://www.massey.ac.nz/?c39c55915n>.
- Can be completed alongside 241.101 Chinese 1A by students with no prior learning. Restrictions; 169.254, 241.205

Chinese

At least 75 credits in Chinese including 45 credits at 200-and/or 300-level, and 30 credits at any level from the Chinese schedule.

241.101	Chinese 1A	15	R 169.141, 169.142; Note 1
241.102	Chinese 1B	15	P 241.101 or PHOS; R 169.141, 169.142; Note 1
241.103	Chinese Cultural World	15	R 169.143
241.105	Business Chinese	15	R 169.254, 241.205; Note 10

241.106	Chinese for Heritage Speakers A	15	P Chinese heritage or non-native (L2) intermediate proficiency; Notes 2-4; R 241.101, 241.102, 241.201, 241.202, 241.301. Not suitable for Chinese native speakers.
241.201	Chinese 2A	15	P 241.102 or 169.141 and 169.142 or PHOS; R 241.241, 241.242, 169.241, 169.242; Notes 1, 5
241.202	Chinese 2B	15	P 241.201 or PHOS; R 241.241, 241.242, 169.241, 169.242; Notes 1, 6
241.203	20th Century Chinese Literature and Society	15	R 169.243
241.204	Chinese Film	15	P Any 100-level BA paper; R 169.244
241.206	Chinese for Heritage Speakers B	15	P 241.106 or equivalent proficiency; Notes 2, 4, 8; R 241.101, 241.102, 241.201, 241.202, 241.301, 241.302. Not suitable for Chinese native speakers.
241.301	Chinese 3A	15	P 241.202 or 241.241 and 241.242 or PHOS; R 241.341, 241.342, 169.341, 169.342; Notes 1, 8
241.302	Chinese 3B	15	P 241.301 or PHOS; R 241.341, 241.342, 169.341, 169.342; Notes 1, 9
241.304	Chinese Grammar	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.344
241.305	Translation from and into Chinese	15	P (241.201 and 241.202) or (241.241 and 241.242) or (169.241 and 169.242) or PHOS; R 169.343
241.395	Individual Research Project II in Chinese Studies	15	PHOS; R 169.397

Notes

- Not suitable for native speakers of Chinese. Please discuss other options with the Head of School or Programme Coordinator.
- Heritage speakers typically possess aural and oral skills but limited reading and writing skills. The term refers to those (1) born in a Chinese-speaking country but who received limited formal education in that country up to the second grade, or (2) who were born in a non-Chinese-speaking country but raised in a home where Mandarin (or Mandarin and another dialect) was spoken and possess limited reading and writing skills in Chinese.
- Intermediate non-native (L2) proficiency refers to students with Chinese NCEA Level 2, or those with up to two years' formal study in China.
- Students enrolling for the first time must complete the Chinese Language Ability Declaration. The form can be found at: <http://www.massey.ac.nz/?c39c55915n>.
- Suitable for heritage learners with a knowledge of about 300 (approximately) characters.
- Suitable for heritage learners with a knowledge of about 450 (approximately) characters.
- Pre-advanced non-native (L2) proficiency refers to students with Chinese NCEA Level 3, or those with up to three years' formal study in China.
- Suitable for heritage learners of Chinese who possess a knowledge of 600 (approximately) characters.
- Suitable for heritage learners of Chinese with a knowledge of 750 (approximately) characters.
- Cannot normally be credited to a Chinese major or minor.

Classical Studies

At least 75 credits in Classical Studies, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Classical Studies schedule. The endorsement must include at least 60-credits from 201-prefix papers.

134.102	Great Western Philosophy	15
135.103	Magic and Witchcraft	15
201.112	Greek History	15
201.113	Greek Mythology	15
201.114	Early Rome	15

201.115	Introductory Latin	15	
201.116	Latin	15	P 201.115
201.117	Greek and Roman Warfare	15	
201.119	Ancient Sport and Entertainment	15	
135.201	Ancient Religions	15	P Any 100-level BA paper
135.211	Jesus and His World	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
201.201	The Pursuit of Happiness in the Classical World	15	P Any 100-level BA paper
201.211	Love and Sexuality in Ancient Greece	15	P Any 100-level BA paper
201.216	The Trojan War	15	P Any 100-level BA paper
201.218	Greek and Roman Religion	15	P Any 100-level BA paper
201.219	Greek Art and Society	15	P Any 100-level BA paper
201.220	Roman Art and Society	15	P Any 100-level BA paper
134.309	Ancient Philosophy	15	P Any two 200-level papers, at least one of which is in Philosophy or 201.201
201.313	Myth and Greek Tragedy	15	P Any 200-level BA paper
201.314	Imperial Rome	15	P Any 200-level BA paper
201.318	Greek and Roman Religion	15	P Any 200-level BA paper
201.319	Greek Art and Society	15	P Any 200-level BA paper
201.320	Roman Art and Society	15	P Any 200-level BA paper

Note

No student may enrol for a paper in Classical Studies with the same title as one for which credit has already been given.

Defence Studies

At least 75 credits in Defence Studies, including 45 credits at 200-and/or 300-level; and 30 credits at any level from the Defence Studies schedule.

149.100	Fundamentals of Command	15	
149.110	Introduction to Logistics	15	
149.140	An Introduction to Military Operations	15	
149.151	An Introduction to the History of Modern Warfare	15	R 148.151
149.210	Intermediate Logistics	15	P 149.110
149.230	Military Law	15	P Any 100-level BA paper
149.245	Irregular Warfare	15	P Any 100-level paper in the schedule of Defence Studies
148.251	A Military History of the First World War	15	P Any 100-level BA paper
149.265	Maritime Strategy	15	P Any 100-level BA paper
190.240	Air Power	15	P Any 100-level paper
149.300	Current Issues in Command Studies	15	P 149.100 and any 200-level BA paper
149.325	International Peacekeeping	15	P Any 200-level BA paper
149.335	Law of Armed Conflict	15	P Any 200-level BA paper
149.340	Operational Art and Strategy	15	P Any 200-level 149 prefix paper
149.350	The History of Defence and Security Intelligence	15	P Any 200-level BA paper
149.360	Defence and Security Technology	15	P 149.151 or 149.180; and any 200-level 149-prefix paper; R 149.160
149.370	Psychology of Evidence in the Security Environment	15	P Any 200 level BA or BDefStud paper
149.375	Applied Research Internship	30	P Students must have completed 240 credits in the BA degree and have a B+ or better average in their 200 and 300 level papers

Development Studies

At least 75 credits in Development Studies, including 131.121, 131.221, 150.213; a further 15 credits at 200- or 300-level; and 15 credits at any level from the Development Studies schedule.

131.121	Rich World, Poor World	15
132.112	Planning for Sustainable Development	15
146.102	Endangered Cultures	15

131.221	Contemporary Development Issues	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
150.213	Tikanga-ā-lwi: Tribal Development	15	P 150.114 or 146.101
176.219	The Transformation of the Pacific: Central Themes	15	P Any two 100-level papers, at least one of which is from the BA schedule
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
121.311	Global Environmental Issues	15	P 121.103 or equivalent knowledge
131.321	Strategies for Sustainable Development	15	P Any 200-level BA paper
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
146.313	Issues in South Pacific Anthropology	15	P Any 200-level BA paper
146.318	Environmental Anthropology	15	P Any 200-level BA paper
176.309	Development and Social Change: Contemporary Issues	15	P Any 200-level BA paper
176.323	The Transformation of the Pacific: Contemporary Issues	15	P Any 200-level Sociology paper
179.330	Māori Development and the Social Services	15	P Any 200-level BA paper
200.301	Contemporary International Conflict	15	P Any 200-level BA paper

Economics

At least 75 credits in Economics, including 115.106, 178.100; and 45 credits at 200- and/or 300-level from the Economics schedule.

115.106	Economics	15	R 178.101
178.100	Principles of Macroeconomics	15	
178.110	The New Zealand Economy	15	
148.205	New Zealand Politics Since 1890	15	P any 100-level BA paper, R 178.211
178.200	Intermediate Macroeconomics	15	P 178.100
178.201	Intermediate Microeconomics	15	P 115.106 or 178.101; R 178.204
178.210	Economic Policy	15	P 178.100 or 178.110
178.221	Methods of Economic Analysis	15	P 115.106 or any 100-level Economics paper
178.240	Managerial Economics	15	P 115.106 or 178.101
178.242	Land Economics	15	P Any 100-level Economics paper or 115.106
178.250	Contemporary Economic Issues	15	P Any 100-level paper
178.280	Introduction to Econometrics	15	P 115.101 or 161.110 or 161.120 and 115.105 or 115.106 or 125.1xx or 178.1xx; R 178.220
178.300	Advanced Macroeconomics	15	P 178.200
178.301	Advanced Microeconomics	15	P 178.201
178.307	Markets, Firms and Consumers	15	P 178.201 or 178.204 or 125.230; or (115.106 or 178.101) and 178.280
178.308	Economic Analysis of Money, Banking and Financial Markets	15	P 15 credits of 178.2xx; R 178.300
178.328	Project Evaluation	15	P any 100-level Economics paper and any 200-level paper
178.350	International Economics	15	P 178.201 or 178.240 or 178.204
178.358	International Trade in Agri-food Products	15	P Any 100-level Economics paper or 119.156 and any 200-level paper; R 178.357
178.360	Natural Resource and Environmental Economics	15	P Any 100-level Economics paper and any 200-level paper
178.370	Development Economics	15	P 115.106 or 178.xxx and any 15 credits at 200-level

Notes

Students without Mathematics with Calculus at Bursary level or NCEA Level 3 are recommended to take paper 160.103. This is especially so if contemplating postgraduate studies in Economics.

Education

At least 75 credits in Education, including 45 credits at 200-and/or 300-level, and 30 credits at any level from the Education schedule.

254.101	An Introduction to Social and Cultural Studies in Education	15	R 187.101
254.103	Learning in the Digital Age	15	R 186.103

275.102	Human Development	15	R 209.102
254.201	Philosophy of Education I	15	P Any 100-level paper; 187.201
254.203	Sociology of Education	15	P Any 100-level paper; R 187.203
256.201	Educational Psychology	15	P Any 100 level paper, R 186.201, 186.230; Note 2
265.293	Studies in Infants and Toddlers	15	P One of 186.120, 187.101, 209.102, 254.101, 265.120 or 275.102 R 186.293
275.202	Development through Relationships	15	P 275.102 or 209.102; R 209.202, Note 2
275.208	Adolescent Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102, R 209.208, 208.208, 208.308, 209.308, 275.308
275.237	Narrative in Human Development	15	P 275.102 or 209.102; R 209.237, Note 2
254.301	Philosophy of Education II	15	P Any 200-level paper; 187.301
254.303	Advanced Sociology of Education	15	P Any 200-level paper; R 187.303
254.304	Educational Theory	15	P Any 200-level Education paper; R 187.304, 278.363
263.301	Learning and Motivation	15	P Any 200-level paper; R 186.301, Note 1
265.322	Perspectives in Early Years Education	15	P Any 200-level paper; R 186.322
267.390	Educational Research Methods	15	P Any 200-level paper; R 187.390
269.332	Maori Issues in Education	15	P Any 200-level BA paper; R 182.332
269.373	Ethnic Relations and Education	15	P Any 200-level paper; R 182.373
275.307	Infants in Families	15	P 275.202 or 209.202 or 209.309, R 209.307; Note 2

Notes

1. Students may not credit both 263.301 Learning and Motivation and 186.301 Psychology of Education (formerly 136.302).
2. Prerequisite requirements may be waived in the case of students with appropriate credits in other subjects.
3. Students may not credit both 256.201 and 186.230 unless credit for 186.230 was attained prior to 1999.

Educational Psychology

At least 75 credits, including 175.102, 275.102, 175.203, 256.201 and 15 credits at 200-and/or 300-level from the Educational Psychology schedule.

175.102	Psychology as a Natural Science	15	
275.102	Human Development	15	R 209.102
175.201	Social Psychology	15	P any 100-level BA paper
175.203	Introduction to Psychological Research	15	P 175.102
175.205	Brain and Behaviour	15	P 175.102
175.206	Memory and Cognition	15	P 175.102
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA or BHIthSc or BSc paper; R 175.312
249.284	Introduction to Special Education and Inclusive Education	15	P Any 100-level Education paper; R 186.284
249.287	Early Intervention	15	P Any 100-level Education paper; R 186.287
256.201	Educational Psychology	15	P Any 100-level paper; R 186.201
175.306	Assessment of Individual Differences	15	P 175.203
249.384	Consultation and Collaboration in Inclusive Education	15	P Any 200-level Education paper; R 186.384
256.303	Sustainable Learning	15	P 256.201
256.304	Positive Behaviour for Learning	15	P 256.201
258.301	Language, Literacy and Cognitive Development	15	P Any 200-level Education paper
263.301	Learning and Motivation	15	P Any 200-level Education paper; R 186.301
263.331	Assessment of Learning	15	P Any 200-level Education paper; R 186.331

English

At least 75 credits in English, including either 139.139 or 139.171; 45 credits at 200- and/or 300-level, and 15 credits at any level from the English schedule.

139.104	Drama in Performance	15	
139.105	Fiction: The Long and Short of It	15	
139.122	Contemporary Literary Forms of Aotearoa New Zealand	15	
139.123	Creative Writing	15	
139.139	Introduction to English Studies	15	R 139.101, 139.171
139.142	Mythology and Fantasy	15	
139.171	Introduction to Literary and Cultural Studies	15	R 139.101, 139.139
154.108	Reading the Media	15	R 139.108,
139.201	Early Modern Verse and Drama: Sex, Death, and the City	15	P Any 100-level English paper
139.202	Romantic Writing: Self and Nature	15	P Any 100-level English paper
139.208	Literacy Practices in Context	15	P Any 100-level 139 prefix paper or any one of 230.100, 119.155, 119.177, 228.111, 141.111, 219.100, 192.102, 237.130, PHOS
139.209	Speaking: Theory and Practice	15	P Any 100-level BA paper, or any one of 119.155, 206.101, 206.104, 206.105 or 270.105, 219.100, 237.130 PERF135, PERF136, PERF235, PERF236
139.210	Rewriting Classic Fiction	15	P Any 100-level English paper
139.220	Applied Theatre: Theatre for Social Change	15	P Any 100-level BA paper, or 237.130
139.223	Creative Processes	15	P Any 100-level BA paper; or any one of 152.230, 152.334, 206.102, 206.110 or 270.110, 237.130
139.224	Making Plays for Theatre	15	P Any 100-level BA paper; or any one of 237.130 or 206.222
139.225	Writing for Children	15	
139.226	Life Writing	15	P Any 100-level BA paper; or any one of 237.130, 206.206, 206.207
139.229	Writing Poetry	15	P 139.123 or 139.133
139.230	Writing Centre Theory and Practice	15	PHOS
139.231	Health Writing: Theory and Practice	15	P 230.100 or 119.155 or 119.177 or 192.102 or 219.100
139.242	Medieval Worlds	15	P Any 100-level English paper
139.253	The American Short Story	15	P Any 100-level English paper, R 139.353
139.255	Critical Periods in Aotearoa New Zealand Literature	15	P Any 100-level English paper
139.272	Auckland Writers and Their Region	15	P Any 100-level English paper
139.275	Gothic	15	P Any 100-level English or Media Studies paper
139.301	Shakespeare's Worlds	15	
139.303	Modern Drama	15	P Any 200-level English paper
139.304	Literature and Society in Early Modern England	15	P Any 200-level English paper, R 139.204
139.307	The Victorian Novel: Territory, Modernity, Settlement	15	P Any 200-level English paper
139.305	Twentieth Century Literature	15	P Any 200-level English paper
139.320	Theatre in Production	15	P Any one of 139.220, 139.223, 139.224, 139.303, 224.204 or 224.304 or any 200-level 133 prefix paper
139.323	Media Script Writing	15	P Any 200-level English or Media Studies paper
139.326	Travel Writing	15	P Any 200-level BA paper; or any one of 206.206 or 270.206, 206.207, 219.202, 219.204, 219.231, 237.230
139.327	Writing Creative Nonfiction	15	P Any 200-level BA paper or any one of the following: 219.202, 219.204, 219.209, 219.231, 237.230
139.329	Advanced Fiction Writing	15	P 139.123 or 139.133 and any 200-level 139-prefix paper
139.330	Writing Centre Practicum	15	P 139.230
139.352	Postcolonial Literature	15	P Any 200-level English paper
139.361	The Literature of Women	15	P Any 200-level English or Women's Studies paper, R 139.261
139.374	Tragedy	15	P Any 200-level BA paper

139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
154.308	Screen Fictions	15	P Any 200-level English or Media Studies paper

Environmental Studies

At least 75 credits in Environmental Studies, including 145.111, 121.211; 30 credits at 200- or 300-level and 15 credits at any level from the Environmental Studies schedule.

121.103	New Zealand Environments	15	
132.111	Planning and the Environment	15	
132.112	Planning for Sustainable Development	15	
145.111	Society, Environment and Place	15	
146.102	Endangered Cultures	15	
176.102	New Zealand Society	15	R 176.104
121.211	New Zealand Environmental Issues	15	P 121.103, 145.111 or 228.111;
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper, R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
250.232	Global Health: The Importance of Sustainable Environments	30	P 45 credits at 100-level
121.311	Global Environmental Issues	15	P 121.103 or equivalent knowledge,
131.321	Strategies for Sustainable Development	15	P Any 200-level BA paper
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
146.318	Environmental Anthropology	15	P Any two 200-level papers, at least one of which is from the BA schedule
176.308	Sociology of the Environment	15	P Any 200-level BA paper

Notes

Only one of 134.218/134.318 may be credited.

Expressive Arts

At least 75 credits, including 45 credits above 100-level, from the Expressive Arts Schedule.

139.104	Drama in Performance	15	
139.123	Creative Writing	15	
139.133	Creative Communication	15	
139.142	Mythology and Fantasy	15	
139.209	Speaking: Theory and Practice	15	P Any 100-level BA paper, or any one of 119.155, 206.101, 206.104, 206.105, 219.100, 237.130, PERF 135, PERF 136, PERF 235, PERF 236
139.220	Applied Theatre: Theatre for Social Change	15	P Any 100-level BA paper, or 237.130
139.223	Creative Processes	15	P Any 100-level BA paper; or any one of 152.230, 152.334, 206.102, 206.110, 237.130
139.224	Making Plays for Theatre	15	P Any 100-level BA paper; or 237.130 or 206.222
139.225	Writing for Children	15	
139.226	Life Writing	15	P Any 100-level BA paper; or any one of 237.130 206.206, 206.207
139.229	Writing Poetry	15	P 139.123 or 139.133
154.204	Digital Media Production I	15	P Any 100-level BA paper
154.224	Documentary (Non-Fiction) Film	15	P Any 100-level BA paper, or 237.130
139.303	Modern Drama	15	P Any 200-level English paper
139.320	Theatre in Production	15	P Any one of 139.220, 139.223, 139.224, 139.303, 224.204 or 224.304 or any 200-level 133 prefix paper
139.323	Media Script Writing	15	P Any 200-level English or Media Studies paper
139.326	Travel Writing	15	P Any 200-level BA paper; or any one of 206.206, 206.207, 219.202, 219.204, 219.231, 237.230

139.327	Writing Creative Nonfiction	15	P Any 200-level BA paper or any one of the following: 219.202, 219.204, 219.209, 219.231, 237.230
139.329	Advanced Fiction Writing	15	P 139.123 or 139.133 and any 200-level 139-prefix paper
139.374	Tragedy	15	P Any 200-level BA paper
154.304	Digital Media Production II	15	P 154.204

French

At least 75 credits in French, including 45 credits at 200-and/or 300-level, and 30 credits at any level from the French schedule.

243.101	Introductory French Language I	15	R 164.106
243.102	Introductory French Language II	15	P 243.101 or 164.106 or equivalent level; R 164.107
243.201	Intermediate French Language I	15	P 243.102 or 164.107 or equivalent level; R 164.200, 164.101
243.202	Intermediate French Language II	15	P 243.201 or 164.101 or 164.200 or equivalent level; R 164.201
243.301	Advanced French Language	15	P 243.202 or 164.201; R 164.301
243.304	Contemporary French Popular Culture	15	P 243.301 or 164.301; R 164.307
243.305	Close Encounters: Connections between France and New Zealand	15	P 243.301

Geography

At least 75 credits in Geography, including 45 credits at 200-and/or 300-level, and 30 credits at any level from the Geography schedule.

145.111	Society, Environment and Place	15	
145.121	Introduction to Physical Geography	15	
230.121	Future State: New Zealand in the 21st Century	15	
145.201	Quantitative Methods in Geography	15	
145.213	Resource Conservation and Sustainability	15	P Any 100-level BA or BSc paper, R 145.313
145.214	Social Change and Environment	15	P Any 100-level BA or BSc paper
145.216	Urban Environments	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
145.222	Rivers and Slopes	15	P 145.121
145.223	Climate Change and Natural Hazards	15	P 145.121, 233.101 or equivalent; R 145.325
145.224	Biogeography	15	P Any 100-level BA or BSc paper, R 145.324
145.230	Coastal Environments	15	P 145.121; R 145.330
121.313	Applied River Management	15	P 196.205 or 145.222
145.301	Research Practice in Human Geography	15	P Any 200-level BA or BSc paper
145.303	Field Work: Alpine Physical Geography	15	P 145.222 (or equivalent)
145.304	Applied Field Geomorphology	15	P At least two from: 145.222, 145.223, 145.230
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
145.320	Quaternary Biogeography and Environmental Change	15	P 145.223 or 145.224; R 145.302, 145.308 (2009 only)
145.327	River Dynamics	15	P 145.222

Notes

- Prerequisites may be waived with the approval of the Head of School in the case of students with appropriate credits in other subjects.
- Most courses include some laboratory and/or field work – 145.111 (one day), 145.222 (one day), 145.301 (two days), 145.303 (seven days), 145.304 (six days), 145.320 (one day) and 145.327 (one day).

History

At least 75 credits in History including 45 credits at 200- and/or 300-level, and 30 credits at any level from the History schedule.

148.105	The World Since 1900	15	
148.109	European Roots	15	

148.110	Headlines in History	15	
148.111	A History of the World	15	
148.113	Early Medieval England	15	
148.114	Making New Zealand: A Survey to 1914	15	
148.115	Remaking New Zealand: A Survey Since 1914	15	
148.116	Medieval Europe	15	
148.120	Blockbusters and Biopics: History at the Movies	15	
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
148.204	The New Zealand Land Wars	15	P Any 100-level BA paper
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper
148.208	Revolutionary Europe 1750–1850	15	P Any 100-level BA paper
148.212	The Crusades	15	P Any 100-level BA paper
148.213	Modern United States History	15	P Any 100-level BA paper
148.214	New Zealand Rural History	15	P Any 100-level BA paper; R 148.108
148.216	The Tudors and the English Reformation	15	P Any 100-level BA paper
148.217	Victoria's World	15	P Any 100-level BA paper
148.218	The Vikings	15	P Any 100-level BA paper
148.220	The Second World War	15	P Any 100-level BA paper
148.221	The Black Death and Other Plagues, 1300–1700	15	P Any 100-level BA paper
148.222	Popular Culture in Medieval Europe	15	P Any 100-level BA paper
148.301	English Radicalism	15	P Any 200-level BA paper
148.313	The French Revolution	15	P Any 200-level BA paper
148.316	New Zealand Between the Wars	15	P Any 200-level BA paper
148.317	New Zealand Religious History	15	P Any 200-level BA paper
148.324	Late Medieval England	15	P Any 200-level BA paper
148.329	Fascism	15	P Any 200-level BA paper
148.330	Medieval Women	15	P Any 200-level BA paper
148.331	Germany's Long Century, 1871–1991	15	P Any 200-level BA paper
148.332	The Politics of Protest	15	P Any 200-level BA paper
148.333	The Napoleonic Wars	15	P Any 200-level BA paper
148.334	Sports History	15	P Any 200-level BA paper
148.335	The Great War and its Legacy	15	P Any 200-level BA paper
148.336	Urbanisation in the British Empire	15	P Any 200-level BA paper
148.337	Māori Responses to Colonisation	15	P Any 200-level BA paper
148.338	Issues in Christian History	15	P Any 200-level BA paper; R 187.363

Japanese

At least 75 credits in Japanese, including 45 credits at 200-and/or 300-level, and 30 credits at any level from the Japanese schedule.

242.101	Japanese 1A	15	R 169.121, 169.122; Note 1
242.102	Japanese 1B	15	P 242.101 or PHOS; R 169.121, 169.122; Note 1
242.103	Introduction to Japanese Culture	15	R 169.123
242.201	Japanese 2A	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.221, 169.222; Note 1
242.202	Japanese 2B	15	P 242.201 or PHOS; R 169.221, 169.222; Note 1
242.203	Japanese Language and Society	15	P 242.102 or 169.121 and 169.122 or PHOS; R 169.224
242.205	Japanese Cinema	15	P Any 100-level BA paper; R 169.227
242.301	Japanese 3A	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.321, 169.322; Note 1
242.302	Japanese 3B	15	P 242.301 or 169.121 and 169.222 or PHOS; R 169.321, 169.322; Note 1
242.304	Reading and Writing about Current Japan	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.324
242.305	Readings in Modern Japanese Literature	15	P 242.202 or 169.221 and 169.222 or PHOS; C 242.301 and 242.302 or PHOS; R 169.326
242.306	Japanese Linguistics	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.327

242.307	Japanese–English Translation Techniques	15	P 242.202 or 169.221 and 169.222 or PHOS; R 169.328
242.390	Individual Research Project in Japanese Studies	15	PHOS; R 169.395

Notes

1. This paper is not suitable for native speakers of Japanese. Please discuss other options with the Head of School or Programme Coordinator.
2. Notwithstanding Generic Regulation 5 for Undergraduate Degrees, Diplomas and Certificates, provided ability to the appropriate level has been attained, students may enrol directly in 242.102, 242.201, 242.202, 242.301 or 242.302. Students are encouraged to contact the Programme Coordinator to discuss their appropriate point of entry into language papers if in doubt.
3. Students who gain exemption from 242.101 and 242.102 may instead credit the two following papers to their major: 172.131 Language and Communication and 172.132 Language and Culture or other approved electives.

Linguistics

At least 75 credits in Linguistics, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Linguistics schedule.

172.131	Language and Communication	15	
172.133	Introduction to Language Studies	15	
172.231	Linguistics for Speech Therapists	15	P 172.133; R 172.235
172.232	Language and Society in New Zealand	15	P Any 100-level BA paper
172.233	Language Learning Processes	15	P Any 100-level BA or BEd paper
172.234	Phonetics	15	P Any 100-level BA paper
172.235	Linguistic Analysis	15	P Any 100-level BA paper; R 172.231
172.236	Forensic Linguistics	15	P Any 100-level BA paper
172.237	Language, Discourse and Power	15	P Any 100-level BA paper
172.239	Language and Culture	15	R 172.132
172.330	Sounds and Structures	15	P 172.235; R 172.331, 172.332
172.334	Field Methods	15	P 172.234 or 172.235
172.335	Language and Identity	15	P 172.232 or 172.237
172.336	Languages of the Pacific	15	P Any 200-level Linguistics paper
172.337	Historical and Comparative Linguistics	15	P Any 200-level Linguistics paper
172.338	Language and Mediated Communication in a Transcultural World	15	P Any 200-level Linguistics paper

Māori Studies

At least 75 credits in Māori Studies, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Māori Studies schedule.

150.106	Ngā Hanga Whakairo: Traditional Māori Visual Art	15	
150.110	Te Reo Whakahoahoa: Socialising in Māori	15	Note
150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Maori language necessary
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.202	Hauora Tāngata: Māori Health Foundations	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
150.206	Ngā Momo Whakairo: Contemporary Māori Visual Art	15	P 150.106
150.210	Te Reo Kōrerorero: Māori Language IIA	15	P 150.111
150.211	Te Reo Whakanakonako: Embellishing the Language	15	P 150.210
150.213	Tikanga-ā-lwi: Tribal Development	15	P 150.114 or 146.101
150.216	He Huarahi Rangahau: Māori and Research	15	P Three papers at 100-level including one paper from Māori Studies

150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
150.302	Planning for Māori Health	15	P 150.202
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
150.311	Te Papā o te Reo: Māori Language III	15	P 150.211

Note

This paper is for beginners.

Mathematics

At least 75 credits in mathematics including 160.111 or 160.132 (unless exempted for prerequisite purposes), 160.112 (or 160.133) (or at least one of 160.101 or 160.102); 45 credits from papers with 160.2XX and 160.3XX.

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period.
160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school background: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.131	Mathematics for Business I	15	R 160.103, 160.132, 160.231. A student who has passed 160.101, 160.111, 160.112 or 160.133 may not be also credited with a pass in 160.103 or 160.131 that is obtained in either the same or a subsequent examination period.
160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.204	Differential Equations I	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
160.212	Discrete Mathematics	15	P 160.101 or 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171, and one of 115.101, 161.100–161.130; R 161.231
160.301	Analysis	15	P 160.203
160.302	Algebra	15	P 160.212 (and 160.102 prior to 2012)
160.314	Combinatorics	15	P 160.212
160.316	Geometry	15	P Any 200-level Mathematics paper
160.317	Methods of Mathematical Physics	15	P 160.203
160.318	Differential Equations II	15	P 160.203, 160.204
160.319	Mathematical Modelling	15	P 160.204, 160.211
160.320	Mathematics in Education	15	P Any 200-level Mathematics paper
160.325	History of Mathematics	15	P 160.101 and any 200-level Mathematics paper
160.380	Project	15	P PPD

Note

At least 16 credits achieved in NCEA Level 3 Mathematics with Calculus OR at least 24 credits in NCEA Level 3 Mathematics.

Media Studies

At least 75 credits in Media Studies, including 45 credits at 200- and/or 300-level; and 30 credits at any level from the Media Studies schedule.

154.108	Reading the Media	15	R 139.108,
154.115	Stardom and Celebrity in the Media	15	
154.120	Transmedia Narrative and Storytelling	15	
172.131	Language and Communication	15	
139.275	Gothic	15	P Any 100-level English or Media Studies paper
146.206	Visual Ethnography	15	P Any 100-level BA paper
154.201	Television Studies	15	P Any 100-level BA paper
154.202	Advertising and Consumer Society	15	P Any 100-level BA paper; or any one of 115.104, 156.100, 237.130
154.203	Popular Culture and the Media	15	P Any 100-level BA paper
154.204	Digital Media Production I	15	P Any 100-level BA paper
154.205	Popular Music Studies	15	P Any 100-level BA paper
154.206	Topics in Film History	15	P Any 100-level BA paper
154.212	New Zealand Cinema	15	P Any 100-level BA paper
154.215	Cult Media and Fandom	15	P Any 100-level BA paper
154.222	The Art of the Film	15	P Any 100-level BA paper
154.224	Documentary (Non-Fiction) Film	15	P Any 100-level BA paper, or 237.130
154.228	Media History	15	P Any 100-level BA paper; R 139.228
219.204	News Media Processes	15	P Any 100-level paper
139.323	Media Script Writing	15	P Any 200-level English or Media Studies paper
139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
154.301	Cultural Studies and the Media	15	P Any 200-level Media Studies paper
154.302	Gender and Race in the Media	15	P Any 200-level Media Studies paper
154.303	Hollywood Cinema	15	P Any 200-level BA paper
154.304	Digital Media Production II	15	P 154.204
154.305	A Social History of Popular Music	15	P Any 200-level BA paper
154.308	Screen Fictions	15	P Any 200-level English or Media Studies paper
154.309	Communications and Culture	15	P Any 200-level BA paper; R 139.308
154.311	Social Media and Digital Cultures	15	
154.312	Trauma and the Media	15	P Any 200-level BA paper
154.313	Global Media Cultures	15	P Any 200-level Media Studies paper
154.314	Independent Media in the Information Age	15	P Any 200-level Media Studies paper

Note

All papers scheduled with prefix 219 are included in the maximum of 120 credits permitted from the Schedules for other degrees under BA degree Regulation 2(c).

Music

No new enrolments from 2015.

New Zealand Studies

At least 75 credits including 150.201; 30 credits at 200- and/or 300-level from the New Zealand Studies schedule; and 30 credits at any level from the New Zealand Studies schedule. No more than 30 credits may be completed from the same prefix.

121.103	New Zealand Environments	15	
139.122	Contemporary Literary Forms of Aotearoa New Zealand	15	
148.114	Making New Zealand: A Survey to 1914	15	
148.115	Remaking New Zealand: A Survey Since 1914	15	
150.106	Ngā Hanga Whakairo: Traditional Māori Visual Art	15	
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper New Zealand Society
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
178.110	The New Zealand Economy	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
230.102	Pacific Peoples in New Zealand	15	
254.101	An Introduction into Social and Cultural Studies in Education	15	R 187.101
121.211	New Zealand Environmental Issues	15	P 121.103, or 145.111
133.202	Music in New Zealand Society	15	P Any 100-level BA paper
135.308	Religions in New Zealand	15	P Any two 200-level papers, at least one of which must be in Religious Studies
139.255	Critical Periods in Aotearoa New Zealand Literature	15	P Any 100-level English paper
148.204	The New Zealand Land Wars	15	P Any 100-level BA paper
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
154.212	New Zealand Cinema	15	P Any 100-level BA paper
170.202	New Zealand Feminism	15	P Any two 100-level papers, at least one of which is from the BA schedule
172.232	Language and Society in New Zealand	15	P Any 100-level BA paper
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P Any 100-level BA paper
148.316	New Zealand Between the Wars	15	P Any 200-level BA paper
148.317	New Zealand Religious History	15	P Any 200-level BA paper
148.337	Māori Responses to Colonisation	15	P Any 200-level BA paper
150.301	Te Mana Te Kawanatanga: Māori Policy and the State	15	P 150.201
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper

Philosophy

At least 75 credits in Philosophy, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Philosophy schedule.

134.101	Knowledge and Reality	15	
134.102	Great Western Philosophy	15	
134.103	Critical Thinking	15	
134.104	Practical Ethics	15	
134.105	Philosophy of Religion: God, Freedom and Evil	15	R 134.206, 134.306
134.201	Philosophy of Mind	15	P Any 100-level BA paper
134.203	Ethics	15	P Any 100-level BA paper
134.204	Aesthetics	15	P Any 100-level BA paper
134.205	Logic	15	P Any 100-level BA paper
134.208	Philosophy of Science	15	P Any 100-level BA or BSc paper
134.215	Asian Philosophies	15	P Any 100-level BA paper
134.216	Modern Philosophy	15	P Any 100-level BA paper
134.218	Environmental Philosophy	15	P Any 100-level BA or BSc paper or 132.111
134.220	Business and Professional Ethics	15	P Any 100-level BA or BBS paper; R 134.219, 134.319
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
134.302	Metaphysics	15	P Any two 200-level papers, at least one of which is in Philosophy
134.303	Ethics	15	P Any two 200-level papers, at least one of which is in Philosophy
134.308	Philosophy of Science	15	P Any two 200-level BA or BSc papers
134.309	Ancient Philosophy	15	P Any two 200-level papers, at least one of which is in Philosophy, or 201.201
134.310	Philosophy of Literature	15	P Any two 200-level papers, at least one of which is in Philosophy

134.312	Epistemology: Seeing and Knowing	15	P Any two 200-level papers, at least one of which is in Philosophy
134.317	Recent and Contemporary Philosophy	15	P Any two 200-level papers at least one of which is in Philosophy
200.315	Contemporary Political Theory	15	P Any 200-level BA paper

Notes

1. Prerequisites may be waived in the case of students with appropriate credits in other subjects; students should consult the Head of School.
2. Not all 200- or 300-level papers will be offered each year. Students should consult the Head of School.
3. No student may enrol for a paper in Philosophy with the same title as one for which credit has already been given.

Politics

At least 75 credits in Politics including 200.161; at least one of 200.215 or 200.261; 30 credits at 200- or 300-level, and 15 credits at any level from the Politics schedule. The endorsement must include at least 60-credits from 200-prefix papers.

200.161	Introduction to Politics	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
230.121	Future State: New Zealand in the 21st Century	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
200.201	Middle Eastern Politics	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
200.301	Contemporary International Conflict	15	P Any 200-level BA paper
200.302	Israel/Palestine and the Arab World	15	P Any 200-level BA paper
200.303	Democratic Politics	15	P Any 200-level BA paper
200.315	Contemporary Political Theory	15	P Any 200-level BA paper
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Note

Appropriate papers from other subject areas may be accepted by the Head of School in place of the prescribed prerequisite.

Psychology

At least 75 credits in Psychology; including 175.102 and 175.203, 30 credits at 200- or 300-level, and 15 credits at any level from the Psychology schedule.

175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	Note 1
175.201	Social Psychology	15	P Any 100-level BA paper
175.203	Introduction to Psychological Research	15	P 175.102, Note 1
175.205	Brain and Behaviour	15	P 175.102, Note 1
175.206	Memory and Cognition	15	P 175.102, Note 1
175.210	Ngā Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology	15	P Any 100-level BA paper; R 175.312, Note 1
175.301	Community Psychology	15	P 175.203, Note 1
175.302	Abnormal and Therapeutic Psychology	15	P 175.203, Note 1
175.303	The Practice of Psychological Research	15	P 175.203, Note 1
175.306	Assessment of Individual Differences	15	P 175.203, Note 1
175.309	Forensic Psychology	15	P 175.203
175.311	Psychology of Women	15	P 175.203

175.316	Evolution, Culture and Mind	15	P 175.203; R 175.202 (1998–2001 only)
175.317	Health Psychology	15	P 175.203
175.318	Experimental Psychology	15	P 175.203, 175.205, 175.206, Note 2
175.343	Personnel Psychology and Career Development	15	P 175.203; R 175.344, Note 1
175.345	Organisational Psychology	15	P 175.203; R 175.344, Note 1

Notes

1. Laboratory and/or practical work is associated with this paper.
2. Students who have passed 175.203 and either 175.205 or 175.206 may be permitted to take the third prerequisite as a co-requisite.

Rehabilitation Studies

At least 75 credits in Rehabilitation Studies, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Rehabilitation schedule.

147.101	Rehabilitation Studies	15	
147.102	Mental Health and Society	15	
147.201	Issues in Rehabilitation	15	P Any 100-level BA paper
147.202	Mental Health Policy and Practice	15	P 147.102
147.203	Measurement in Rehabilitation	15	P 147.101
147.301	Community-based Rehabilitation	15	P 147.201
147.302	Alcohol and Drug Use	15	P Any 200-level BA paper

Religious Studies

No new enrolments from 2015.

Security Studies

At least 75 credits, including 149.180, 149.280; 30 credits of 149 prefix papers at 200- or 300- level; and 15 credits at any level from the Security Studies schedule.

134.103	Critical Thinking	15	
148.105	The World Since 1900	15	
149.170	Introduction to Border Security	15	
149.171	The Security of Global Trade	15	
149.180	Introduction to Security Studies	15	
149.190	Police and Policing in Society	15	R 166.202
178.100	Principles of Macroeconomics	15	
178.110	The New Zealand Economy	15	
200.161	Introduction to Politics	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
134.220	Business and Professional Ethics	15	P Any 100-level BA or BBS paper; R 134.219, 134.319
146.208	Political Anthropology	15	P Any 100-level BA paper
149.272	Intelligence in the Security Environment	15	P Any 100-level BA paper
149.280	Emerging Security Issues	15	P 149.180
153.200	Introduction to Dispute Resolution	15	P Any 100-level paper
172.236	Forensic Linguistics	15	P Any 100-level BA paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
145.311	Geographies of Globalisation	15	P Any 200-level BA or BSc paper
145.318	Geopolitics	15	P Any 200-level BA or BSc paper
149.350	The History of Defence and Security Intelligence	15	P Any 200-level BA paper
149.360	Defence and Security Technology	15	P 149.151 or 149.180 and any 200-level 149-prefix paper; R 149.160
149.370	Psychology of Evidence in the Security Environment	15	P any 200-level BA paper
149.375	Applied Research Internship	30	P Students must have completed 240 credits in the BA degree and have a B+ or better average in their 200 and 300 level papers
149.380	Strategy and Security	15	P 149.280
149.381	Terrorism and Political Violence	15	P Any 200-level BA paper
149.385	Security and the Law	15	P 149.280
152.386	Risk Management I	15	P Any 200-level paper

200.301	Contemporary International Conflict	15	P Any 200-level BA paper
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Notes

1. Not all papers will be offered every year or in every mode or location.
2. 153.200 and 152.386 are included in the maximum of 120 credits permitted from the Schedules for other degrees under the BA regulations.

Social Anthropology

At least 75 credits in Social Anthropology, including 45 credits at 200- and/or 300-level, and 30 credits at any level from the Social Anthropology schedule. The endorsement must include at least 60 credits from the 146-prefix papers.

146.101	Introductory Social Anthropology	15	
146.102	Endangered Cultures	15	
230.121	Future State: New Zealand in the 21st Century	15	
131.221	Contemporary Development Issues	15	P 146.102 or 131.121
146.206	Visual Ethnography	15	P Any 100-level BA paper
146.208	Political Anthropology	15	P Any 100-level BA paper
146.209	Food and Eating	15	P Any 100-level BA paper or 119.180 or 250.131
146.210	Ritual and Belief	15	P Any 100-level BA paper
146.211	Systems of Healing	15	P Any 100-level BA paper
146.213	Anthropological Enquiry	15	P Any 100-level BA paper
146.214	The Politics of Culture	15	P Any 100-level BA paper
150.213	Tikanga-ā-lwi: Tribal Development	15	P 150.114 or 146.101
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
146.302	Regional Ethnography: Asia	15	P Any 200-level BA paper
146.303	Practice of Field Work	15	P 146.213 or equivalent
146.304	Culture, Biology and Racism	15	P Any 200-level BA paper
146.307	The Cultural Construction of Gender and Sexuality	15	P Any 200-level BA paper
146.311	Medical Systems of China, India and the West	15	P Any 200-level BA paper
146.313	Issues in South Pacific Anthropology	15	P Any 200-level BA paper
146.316	Visual Anthropology: Southasia and Global Issues	15	P Any 200-level BA paper
146.317	Urban Anthropology	15	P Any 200-level BA paper; R 146.284
146.318	Environmental Anthropology	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Note

Appropriate papers from other subject areas may be accepted in place of the prescribed prerequisites with the approval of Head of School.

Social Policy

At least 75 credits in Social Policy, including at least one of 279.101 or 200.162; 279.201; 30 credits at 200- or 300-level, and 15 credits at any level from the Social Policy schedule.

115.106	Economics	15	R 178.101
176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
178.100	Principles of Macroeconomics	15	R 112.101, 177.101, 178.100 (prior to 1997), 178.102
178.110	The New Zealand Economy	15	
200.161	Introduction to Politics	15	
200.162	Politics and Public Policy in New Zealand	15	R 179.102
279.101	Social Policy: An Introduction	15	R 179.101
148.205	New Zealand Politics Since 1890	15	P Any 100-level BA paper

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.204	Mana Māori: Māori and Politics	15	P Any 100-level BA paper
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
176.218	Race, Nation and Modernity	15	P Any two 100-level papers, at least one of which is from the BA schedule
178.210	Economic Policy	15	P 178.100 or 178.102 or 178.110
179.202	An Introduction to Social Research	15	P Any two 100-level papers, at least one of which is from the BA schedule; R 176.202, Note 1
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P Any 100-level BA paper
200.215	Political Theory from Plato to Marx	15	P Any 100-level BA paper; R 134.211, 134.311, 200.211, 200.311
200.261	World Politics	15	P Any 100-level BA paper; R 148.261
279.201	Social Policy: Concepts and Theories	15	P 279.101 or 179.101 or 200.162, (179.102 to 2009); R 179.201
279.203	Law, Government and Social Policy	15	P 279.101 or 179.101 or 200.162, (179.102 to 2009); R 179.203
150.301	Te Mana Te Kāwanatanga: Māori Policy and the State	15	P 150.201
176.301	The Sociological Project	15	P 176.201 or 176.206
176.303	Making the Nation	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
179.320	Community Development	15	P Any 200-level BA paper
179.330	Māori Development and the Social Services	15	P Any 200-level BA paper
200.361	Contemporary New Zealand Politics	15	P Any 200-level BA paper; R 134.211, 200.211
279.301	Government Policy, Planning and Administration	15	P 279.201 or 179.201; R 179.301, Note 2
279.302	Policy Research and Evaluation	15	P 179.202 or 176.202; R 179.302, Note 1

Notes

1. These papers include laboratory or field work requirements.
2. Appropriate papers from other subject areas may be accepted by the Head of School in place of the prescribed prerequisite.

Sociology

At least 75 credits in Sociology, including 45 credits at 200- and/or 300-level; and 30 credits at any level from the Sociology schedule.

176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
176.104	Identity and Culture in New Zealand	15	R 148.106, 176.102
230.121	Future State: New Zealand in the 21st Century	15	
176.203	Development and Social Change: Central Themes	15	P Any 100-level BA paper
176.204	Small Groups	15	P Any 100-level BA paper
176.205	Animals and Human Societies	15	P Any 100-level BA or BSc paper; R 176.105
176.206	Understanding Social Life	15	P Any 100-level Sociology paper
176.207	Family, Intimacy and Domestic Life	15	P Any 100-level BA paper
176.216	Understanding Globalisation	15	P Any 100-level BA paper; R 176.316
176.218	Race, Nation and Modernity	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.219	The Transformation of the Pacific: Central Themes	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.221	Ethnicity and Identity: Central Themes	15	P Any 100-level BA paper
176.222	Cities in the Twenty-first Century	15	P Any 100-level BA paper
176.301	The Sociological Project	15	P 176.201 or 176.206
176.302	Techniques of Social Investigation	15	P Any 200-level BA paper

176.303	Making the Nation	15	P Any 200-level BA paper
176.308	Sociology of the Environment	15	P Any 200-level BA paper
176.309	Development and Social Change: Contemporary Issues	15	P Any 200-level BA paper
176.310	Ethnicity and Ethnic Identity: Contemporary Issues	15	P Any 200-level BA paper
176.316	Understanding Globalisation in Depth	15	P Any 200-level BA paper; R 176.216
176.318	Sociology of Death and Dying	15	P Any 200-level BA paper
176.322	The World of Work: Contemporary Issues	15	P Any 200-level BA paper
176.323	The Transformation of the Pacific: Contemporary Issues	15	P Any 200-level Sociology paper
230.301	Social Science at Work	15	P Any two 200-level papers from the BA schedule with the prefixes 146, 176, and/or 200

Spanish

At least 75 credits in Spanish, including 45 credits at 200-and/or 300-level, and 30 credits at any level from the Spanish schedule.

245.101	Introductory Spanish Language I	15	R 164.151
245.102	Introductory Spanish Language II	15	P 245.101 or 164.151 or equivalent level; R 164.152
245.103	Hispanic Culture and Heritage	15	R 164.153
245.201	Intermediate Spanish Language I	15	P 245.102 or 164.152 or equivalent level; R 164.251
245.202	Intermediate Spanish Language II	15	P 245.201 or 164.251 or equivalent level; R 164.252
245.203	The Sound of Spanish: Diction, Dialects and Diversity	15	P 245.201
245.204	Latin American Voices	15	P 245.201 or 164.251; R 164.255
245.301	Advanced Spanish Language	15	P 245.202 or 164.252; R 164.351
245.302	Theory and Practice of Translation	15	C 245.301; R 164.361
245.303	Latin American Rhythms and Politics: From Tango to Rock	15	P 245.202 or 164.252 or 245.204 or 164.255; R 164.354
245.304	Travellers' Tales: the Invention of Latin America	15	P 245.202 or 245.204
245.305	Spanish Conversation on Film	15	P 245.202 or 164.252

Statistics

At least 75 credits in Statistics, including one of 161.120 or 161.130 (or 161.100); 45 credits at 200- and/or 300 level, and 15 credits at any level from the Statistics schedule.

160.111	Mathematics 1A	15	P 160.103 or 160.131 or 160.132 or appropriate school back-ground: 16 credits in NCEA Level 3 Mathematics with Calculus or 24 credits in NCEA Level 3 Mathematics; R 160.101, 160.102, 160.161, 228.171
160.112	Mathematics 1B	15	P 160.111 or 228.171 or any one of 160.101, 160.102, 160.161; R 228.172, 160.133
160.132	Concepts in Mathematics	15	P 16 Credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
160.133	Processes in Mathematics	15	P 160.132, or A- or better in 160.131, or 160.111, or 228.171, or 160.101, or 160.102, or 160.103, or 18 credits in NCEA Level 3 Mathematics with Calculus or equivalent; R 160.112, 228.172, both of 160.101, 160.102
161.120	Introductory Statistics	15	R 115.101, 161.100, 161.110, 161.130, 195.101
161.130	Introductory Biostatistics	15	R 115.101, 161.100, 161.110, 161.120, 195.101
160.203	Calculus	15	P 160.101 or 160.112 or 160.133 or 228.172
160.211	Linear Algebra	15	P 160.102 or 160.112 or 160.133 or 228.172
161.200	Statistical Models	15	P 160.1xx or 228.171 and one of 115.101, 161.100–161.130 R 161.231

161.220	Data Analysis	15	P One of 115.101, 161.100–161.130; R 161.250
161.221	Applied Linear Models	15	P One of 115.101 or 161.100–161.130; R 161.320
161.223	Introduction to Data Mining	15	P One of 115.101, 161.100–161.130; R 161.324, 161.326, 161.777
161.230	Probability Modelling	15	P One of 115.101, 161.100–130 and 160.1xx; R 161.240
161.231	Statistical Modelling	15	P 160.111 (or 160.101) and one of 115.101, 161.100–130; R 161.200
161.240	Applied Probability for Management	15	P One of, 115.101, 161.100–161.130; and 160.1xx; R 161.230, 204.200
161.250	Data Analysis for Biologists	15	P One of, 115.101, 161.100–161.130; R 161.220
161.301	Statistical Inference	15	P 161.200 or 161.231
161.320	Fitting Regression Models	15	P One of 161.200, 161.220, 161.231
161.321	Sampling and Experimental Design	15	P One of 161.2XX
161.322	Survey Design, Implementation and Analysis	15	P One of 161.200, 161.220, 161.223, 161.231
161.323	Multivariate Analysis	15	P One of 161.2XX
161.324	Data Mining	15	P 161.220 or 161.221 or 161.250; R 161.223, 161.777
161.325	Statistical Methods for Quality Improvement	15	P One of 161.200, 161.220, 161.230, 161.240
161.326	Statistical Machine Learning	15	P (159.2xx and 161.1xy) or 161.2xx; R 159.302
161.327	Generalised Linear Models	15	P 161.221 and one of 160.1xx; R 161.726
161.331	Biostatistics	15	P 161.220 or 161.221 or 161.250 or equivalent with PHOD
161.342	Forecasting and Time Series	15	P 161.220 or 161.221 or 161.250
161.345	Stochastic Models in Operations Research	15	P 160.111 (or 160.101), one of 161.200, 161.230, 161.240

Note

At least 16 credits achieved in NCEA Level 3 Mathematics with Calculus
OR at least 24 credits in NCEA Level 3 Mathematics.

Women's Studies

At least 75 credits in Women's Studies, including 170.201; 30 credits at 200- and/or 300-level, and 30 credits at any level from the Women's Studies schedule.

170.102	Women of Ideas and Action	15	
135.207	Sex, Gender and Religion	15	P Any 100-level BA paper
145.218	Development and Inequality	15	P Any 100-level BA or BSc paper
146.209	Food and Eating	15	P Any 100-level BA paper or 119.180 or 250.131
170.201	What is Feminism?	15	P Any two 100-level papers, at least one of which is from the BA schedule
170.202	New Zealand Feminism	15	P Any two 100-level papers, at least one of which is from the BA schedule
176.207	Family, Intimacy and Domestic Life	15	P Any 100-level BA paper
201.211	Love and Sexuality in Ancient Greece	15	P Any 100-level BA paper
139.361	The Literature of Women	15	P Any 200-level English or Women's Studies paper; R 139.261
139.376	Sexual/Textual Politics	15	P Any 200-level BA paper
148.330	Medieval Women	15	P Any 200-level BA paper
150.303	Mana Wāhine: Māori Women	15	P 150.216 (or approved alternative research methods paper); R 150.203
154.302	Gender and Race in the Media	15	P Any 200-level Media Studies paper
170.303	Gender and Violence	15	P Any 200-level BA paper
175.311	Psychology of Women	15	P 175.203
219.302	Gender and Communication in Organisations	15	P Any 200-level paper
275.304	Gender Development	15	P Any 200-level paper

Part III: Elective Papers (not otherwise included in endorsements schedule)

130.201	Introduction to Civil Defence Emergency Management in New Zealand	15	P Any 100-level paper
130.301	Incident Command Systems	15	P Any 200-level paper
132.221	Planning Studies	15	P Any 100-level BA or BBS paper
192.101	English for Academic Purposes for Speakers of Other Languages	15	
192.102	Academic Writing in English for Speakers of Other Languages	15	

250.131	Health Studies	15	
250.231	Health and Health Inequalities	15	R 168.202, 168.231
250.317	Disability in Society	15	P Any 200-level BA or BHLthSc paper; R 176.317
250.233	Gender and Health	15	P Any 100-level BA paper; R 168.213, 168.233
250.331	Health of Communities	15	P Any 200-level BA paper; R 168.331
250.333	Health and Ageing	15	P Any 200-level BA paper; R 168.333
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
230.102	Pacific Peoples in New Zealand	15	

The Diploma in Business Studies DipBusStuds

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- To qualify for the award of the Diploma, a candidate shall pass papers to a total of at least 120 credits, with at least 45 credits above 100-level.

- At least 90 credits must be taken from the Schedule for the Bachelor of Business Studies degree. Up to 30 credits may be taken from Schedules for other undergraduate degrees.
- To qualify for the award of the Diploma with endorsement, a candidate shall pass papers totalling at least 45 credits at 200-level or above from a single major subject in the Bachelor of Business Studies.
- A candidate who has been awarded a Diploma may apply to cross-credit up to 45 credits of Diploma papers towards an undergraduate degree of the University, provided that any such papers shall comply with the Regulations for that degree. A candidate who wishes to credit papers totalling more than 45 credits in terms of this Regulation will be required to surrender the Diploma in Business Studies before transfer of credit will be granted.

The Diploma in Communication DipC

Qualification Regulations

Part I

- These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Diplomas, and Certificates, and Graduate Diplomas and Certificates.

Part II

Admission

- Admission to the Diploma in Communication requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Diploma in Communication shall follow a flexible course of study, which shall consist of papers totalling at least 120 credits, comprising:
 - 15 credits selected from Schedule A; and
 - 30 credits selected from Schedule B; and
 - 30 credits selected from Schedule C; and
 - 45 credits at 200-level or above from Part II of the Bachelor of Communication Schedule.

Specialisations

- The Diploma in Communication is awarded without endorsements.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes. Candidates who do not meet the requirements for graduation may, subject to the

approval of Academic Board, be awarded the Certificate in Arts should they meet the requirements.

Unsatisfactory Academic Progress

- The general Unsatisfactory Progress Regulations will apply.

Schedule for the Diploma in Communication

Schedule A (15 credits)

230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
219.100	Introduction to Business Communication	15	R 114.100, 114.253, 219.203

Schedule B (30 credits)

115.104	Principles of Marketing	15	R 156.100, 156.200
115.107	Management Information Systems	15	R 157.100
219.101	Media Skills	15	
219.107	Introduction to Cross-Cultural Communication	15	

Schedule C (30 credits)

139.133	Creative Communication	15	
154.101	Introduction to Media Studies	15	
172.131	Language and Communication	15	

The Diploma in Design

DipDesign

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma in Design requires that the applicant will:
 - meet the university admission requirements as specified; and
 - be selected into the qualification based partially on the assessment of a portfolio of work submitted by the applicant.
- A student with an incomplete Massey University Bachelor of Design or Bachelor of Design with Honours may at the discretion of the Academic Board, transfer credit earned into the Diploma in Design.

Academic Requirements

- To qualify for the award of the Diploma in Design, a student shall pass papers to a total of 240 credits from the Schedules of Papers for the

Bachelor of Design degree or Bachelor of Design Honours degree, including a minimum of 75 credits at 200-level or above.

Endorsement

- The Diploma in Design is awarded without endorsement.

Student Progression

- Students who have been awarded or are eligible for the award of a Diploma in Design may apply to transfer Diploma in Design credit towards the Bachelor of Design or Bachelor of Design with honours to a maximum of 240 credits. Candidates who wish to credit papers totalling more than 45 credits in terms of this Regulation will be required to surrender the Diploma before the credit will be granted.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

- The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

The Diploma for Education Support Workers

DipEducSuppWkrs

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

- To qualify for the Diploma candidates are required to complete at least 120 credits as follows:

Three compulsory papers (45 credits):

249.285	Factors that Influence the Learning of Students with Special Needs	15	P Any 100-level Education paper; R 186.285, 278.264
254.102	Introduction to Professional and Ethical Practice in Different Learning Contexts	15	
254.162	Introduction to Literacy and Numeracy	15	R 136.162, 278.162

Five elective papers (75 credits):

249.220	Foundations and Implications of Early Onset Blindness or Low Vision	15	
249.284	Introduction to Special Education and Inclusive Education	15	P Any 100-level Education paper; R 186.284
249.287	Early Intervention	15	P Any 100-level Education paper; R 186.287
249.382	Teaching Techniques in Special Education	15	P Any 200-level Education paper; R 186.382
249.384	Consultation and Collaboration in Inclusive Education	15	P Any 200-level paper from Education; R 186.384
258.301	Language, Literacy and Cognitive Development	15	P Any 200-level Education paper
264.101	How People Learn	15	
264.102	Classroom Management	15	
269.232	Multicultural Education	15	P Any 100-level Education paper; R 182.232
271.150	Introduction to Communication Disorders	15	
275.102	Human Development	15	R 208.102, 209.102, 270.102

Transition Provisions

Students who enrolled at Massey University in the Certificate for Teacher Aides prior to 2011 may choose to complete their programme under the regulations that were in force at the time of their first enrolment. These transition provisions expire in 2012.

The Diploma in Fashion Design and Technology

DipFDT

No new enrolments from 2013

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma will require 50 level 2 NCEA credits and at least 14 credits at Level 1 in literacy and numeracy, or four Sixth Form Certificate grades with a total of 20 or less and the assessment of a portfolio of work submitted by the candidate.

Course of Study

- To qualify for the award of the Diploma candidates shall follow a course of study comprising 240 credits from the schedule to these Regulations.
- Candidates who have partially completed a Wellington Polytechnic Diploma in Fashion Design and Technology may have all the credit they obtained towards that qualification credited towards the 240 credits required for this qualification.

Schedule to the Regulations for the Diploma in Fashion Design and Technology

212.012	Patternmaking I	30	C 212.013 and 212.014
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212.013	Construction I	30	C 212.012 and 212.014
212.014	Fashion Design I	15	
212.015	Textiles I	15	
212.016	Apparel Industry I	15	
212.017	Historic Costume	15	
212.112	Patternmaking II	30	P 212.012; C 212.113 and 212.114
212.113	Construction II	30	P 212.013; C 212.112 and 212.114
212.114	Fashion Design II	15	P 212.014
212.115	Textiles II	15	P 212.015
212.116	Apparel Industry II	15	P 212.016
212.119	Computer Technology for Apparel	15	P 212.012

The Diploma in Fine Arts DipFineArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma in Fine Arts requires that the applicant will:
 - meet the university admission requirements as specified; and
 - be selected into the qualification based partially on the assessment of a portfolio of work submitted by the applicant, and an interview at the discretion of the University.
- A student with an incomplete Massey University Bachelor of Fine Arts or Bachelor of Fine Arts with Honours may at the discretion of the Academic Board, transfer credit earned into the Diploma in Fine Arts.

Academic Requirements

- To qualify for the award of the Diploma in Fine Arts, a student shall pass papers to a total of 240 credits from the Schedules of Papers for the Bachelor of Fine Arts degree or Bachelor of Fine Arts with Honours degree, including a minimum of 75 credits at 200-level or above.

Endorsement

- The Diploma in Fine Arts is awarded without endorsement.

Student Progression

- Students who have been awarded or are eligible for the award of a Diploma in Fine Arts may apply to transfer Diploma in Fine Art credit to the Bachelor of Fine Arts or Bachelor of Fine Arts with Honours to a maximum of 240 credits. Students who wish to credit papers totalling more than 45 credits in terms of this Regulation will be required to surrender the Diploma before the credit will be granted.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

- The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

The Diploma in Health Science DipHlthSc

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

- To qualify for the award of the Diploma in Health Science, candidates are required to gain at least 120 credits for papers listed in the Schedules A, B and C for the Bachelor of Health Science degree. At least 45 of the credits must be at the 200-level or higher.
- To qualify for the Diploma candidates must pass:
 - The core papers 250.131 Health Studies and 250.231 Health and Health Inequalities;
 - A Communications paper selected from Schedule A, section 2 of the Bachelor of Health Science degree;
 - At least 15 credits from Schedule B, and at least 30 credits from Schedule C of the Bachelor of Health Science degree;
 - The balance of papers from Schedules A, B, C or D of the Bachelor of Health Science degree.

Transfers and Cross-credits

- A candidate who has been awarded a Diploma in Health Science may apply to cross-credit up to 45 credits of Diploma papers towards an undergraduate degree of the university, provided that any such papers shall comply with the Regulations for the degree in question. A candidate who wishes to credit papers totalling more than 45 credits in terms of this Regulation shall be required to surrender the Diploma in Health Science before the transfer of credit will be granted.

Transition Provisions

- These regulations apply from 1 January 2010.
 - All candidates commencing study towards the Diploma in Health Science on or after 1 January 2010 must satisfy the requirements specified in these regulations.
 - Candidates who commenced study towards the Certificate in Health Science prior to 1 January 2010, and who have passed at least 15 Massey credits while enrolled in the Certificate in Health Science programme, may complete under the CertHlthSc regulations in the 2009 Massey University Calendar (or earlier regulations) until the end of the 2012 academic year.
 - Candidates who commenced study towards the Certificate in Health Science in 2009 or earlier may choose to transfer to the Diploma in Health Science, but must then satisfy all requirements specified in the regulations for the Diploma.
 - Candidates who commenced study towards the Certificate in Health Science prior to 2010, but who have not completed the Certificate by

The Diploma in Human Development DipHD

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

1. To qualify for the diploma candidates are required to complete at least 120 credits as follows:

(a) Core Papers (60 credits)

All of the following papers:

275.102	Human Development	15	R 208.102, 209.102, 270.10
275.203	Child Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102
275.204	Adult Development	15	P 209.102 or 275.102
275.208	Adolescent Development	15	P One of 187.101, 208.102, 209.102, 254.101, 270.102 or 275.102; R 208.308, 208.208; 209.208, 209.308, 275.308

(b) Elective Papers (60 credits)

At least 30 credits from:

253.250	Counselling Principles and Practice	15	P Any relevant 100-level paper in Education, Social Sciences or Business Studies; R 209.250
253.255	Cultural Issues in Counselling	15	P Any relevant 100-level paper in Education, Social Sciences or Business Studies; R 209.255
253.353	Guidance Principles and Practice	15	R 209.353
275.202	Development through Relationships	15	P 209.102
275.237	Narrative in Human Development	15	P 209.102
275.304	Gender Development	15	P Any 200-level paper
275.307	Infants in Families	15	R 209.307

Up to 30 credits from:

150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P Any 100-level BA paper
150.202	Hauora Tāngata: Māori Health Foundations	15	P Any 100-level BA paper
175.101	Psychology as a Social Science	15	
176.102	New Zealand Society	15	
176.221	Ethnicity and Identity: Central Themes	15	P Any 100-level BA paper
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
250.233	Gender and Health	15	P Any 100-level BA paper; R 168.213, 168.233
273.206	Adult Learning	15	P 30 x 100-level credits; R 187.278

The Diploma in Photography DipPhoto

No new enrolments for 2015

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Diploma in Photography will conform with normal requirements and procedures of the University and be based partly upon the assessment of a portfolio of work submitted by the candidate.

Course of Study

2. To qualify for the award of the Diploma in Photography, candidates shall follow a course of study comprising 240 credits from the Schedule to these Regulations.

Distinction

3. The Diploma will carry the award of Distinction if completed at a superior standard (equivalent to First Class Honours).

Schedule to the Regulations for the Diploma in Photography

221.103	Photo Communication I	15	
221.104	Photo Communication II	15	P 221.103
221.112	Studio Photography IA	30	P Portfolio
221.113	Photographic Documentary IA	15	P Portfolio
221.114	Studio Photography IB	15	P 221.112
221.115	Photographic Documentary IB	30	P 221.113
221.212	Photographic Technologies	30	P 221.103
221.214	Photographic Practices A	30	P 221.103, 221.104, 221.112, 221.113, 221.114, 221.115
221.215	Photographic Practices B	30	P 221.103, 221.104, 221.112, 221.113, 221.114, 221.115
221.216	Collaborative Photographic Project	30	P 30 221.1xx credits

The Diploma in Rehabilitation Studies DipRehabStuds

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations

for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

- To qualify for the award of the Diploma, a candidate shall follow an approved course study for the equivalent of one year of full-time study and pass the examinations in papers chosen from those listed in Regulation 2 to a total of at least 120 credits, of which 45 credits shall be at the 200-level or above.
- Every course of study for the Diploma shall include:
 - Five core papers:

147.101	Rehabilitation Studies	15	
147.201	Issues in Rehabilitation	15	P any 100-level BA paper
147.203	Measurement in Rehabilitation	15	P 147.101
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130
250.131	Health Studies	15	R 168.101, 168.131

- Optional papers – three of the following or as approved by the Head of School:

146.101	Introductory Social Anthropology	15	
147.102	Mental Health and Society	15	
150.110	Te Reo Whakahoahoa: Socialising in Māori	15	R 150.111, 150.210, 150.211, 150.311;
150.111	Te Reo Kōnakinaki: Developing the Language	15	P Experience in Māori Language necessary; R 150.210, 150.211, 150.311
150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
175.101	Psychology as a Social Science	15	
175.102	Psychology as a Natural Science	15	
176.101	The Sociological Imagination	15	
176.102	New Zealand Society	15	R 176.104
275.102	Human Development	15	R 209.102
279.101	Social Policy: An Introduction	15	R 179.101
147.202	Mental Health Policy and Practice	15	P 147.102
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	P any 100-level BA paper
150.202	Hauora Tāngata: Māori Health Foundations	15	P any 100-level BA paper
175.205	Brain and Behaviour	15	P 175.102

250.231	Health and Health Inequalities	15	R 168.202, 168.231
253.250	Counselling Principles and Practice	15	P any 100-level paper in Education of Social Sciences; R 209.250
253.255	Cultural Issues in Counselling	15	P any 100-level paper in Education or Social Sciences; R 209.255
250.233	Gender and Health	15	P any 100-level BA paper, R 168.213, 168.233
128.300	Ergonomics/Human Factors: Work, Performance, Health and Design	15	P any 200-level paper
147.301	Community-based Rehabilitation	15	P 147.201
147.302	Alcohol and Drug Use	15	P any 200-level BA paper
250.317	Disability in Society	15	P any 200-level BA or BHLthSc paper
250.333	Health and Ageing	15	P any 200-level BA paper; R 168.333

Transfers and Cross-credits

- A candidate who has been awarded a Diploma in Rehabilitation Studies may apply to cross-credit up to 45 credits of Diploma papers towards an undergraduate degree of the university, provided that any such papers shall comply with the Regulations for the degree in question. A candidate who wishes to credit papers totalling more than 45 credits in terms of this Regulation shall be required to surrender the Diploma in Rehabilitation Studies before the transfer of credit will be granted.

Transition Provisions

- These regulations apply from 1 January 2010.
 - All candidates commencing study towards the Diploma in Rehabilitation Studies on or after 1 January 2010 must satisfy the requirements specified in these regulations.
 - Candidates who commenced study towards the Certificate in Rehabilitation Studies prior to 1 January 2010, and who have passed at least 15 Massey credits while enrolled in the Certificate in Rehabilitation Studies programme, may complete under the CertRehabSt regulations in the 2009 Massey University Calendar (or earlier regulations) until the end of the 2012 academic year.
 - Candidates who commenced study towards the Certificate in Rehabilitation Studies in 2009 or earlier may choose to transfer to the Diploma in Rehabilitation Studies, but must then satisfy all requirements specified in the regulations for the Diploma.
 - Candidates who commenced study towards the Certificate in Rehabilitation Studies prior to 2010, but who have not completed the Certificate by the end of the 2012 academic year, will not be permitted to complete the Certificate and will be required to transfer to the Diploma in Rehabilitation Studies from 2013.

The Diploma in Science and Technology DipScTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Diploma in Science and Technology requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Diploma in Science and Technology shall follow a flexible course of study, which shall comprise:
 - papers selected from the Schedule to the Qualification;
 - at least 120 credits, at 100-level or above.
 - 192.102 Academic Writing in English for Speakers of Other Languages may be included unless papers 119.155 or 119.177 have been completed.

- Notwithstanding Regulation 2(a), and at the discretion of Academic Board, students exiting or proceeding to the Bachelor of Engineering with Honours, Bachelor of Food Technology with Honours, Bachelor of Medical Laboratory Science, Bachelor of Veterinary Science, and Bachelor of Veterinary Technology may have a personal course variation approved in excess of stated limits, to meet the requirements of the Diploma of Science and Technology through substitution of papers from the schedules to those degrees.

Specialisations

- Candidates may complete an approved endorsement by passing a coherent set of papers of at least 90 credits as specified in the Schedule to the Diploma.
- The endorsements available are: Engineering Studies and Veterinary Preparation.
- The Diploma in Science and Technology may be awarded without an endorsement.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Diplomas and Certificates, and Graduate Diplomas and Certificates will apply.

8. Candidates may be graduated when they meet the Admission, Qualification, and Academic requirements within the prescribed timeframes; candidates who do not meet the requirements for graduation may, subject to the approval of Academic Board, be awarded the Certificate in Science and Technology should they meet the relevant Qualification requirements.

Unsatisfactory Academic Progress

9. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Unendorsed Diploma

Papers selected from the following prefixes: 112 Agribusiness, 117 Animal Science, 119 Agriculture and Horticulture, 120 Plant Biology, 121 Environmental Science, 122 Biochemistry, 123 Chemistry, 124 Physics, 145 Geography, 151 Nutritional Science, 157 Information Systems, 158 Information Technology, 159 Computer Science, 160 Mathematics, 161 Statistics, 162 Biology, 175 Psychology, 189 Soil Science, 194 Physiology, 196 Ecology, 199 Zoology, 203 Genetics, 214 Health Sciences, 233 Earth Science, 218 Building and Construction, 234 Sport and Exercise Science, 236 Nanoscience, 240 Logistics and Supply Chain Management, 246 Natural Sciences, 283 Agronomy, 284 Horticulture, 285 Plant Health, 286 Equine.

Engineering Studies Endorsement (90 credits)

Compulsory papers (75 credits):

228.153	Introductory Engineering Studies	15	
123.103	Introductory Chemistry	15	R 119.153. 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
124.100	Introductory Physics	15	R 119.153; 124.100 may not be taken after any of 124.101, 124.111, 124.171, 124.172 has been passed

And

15 credits from:

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172

15 credits from:

119.155	Communications in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
192.102	Academic Writing in English for Speakers of Other Languages	15	

Elective papers (15 credits):

120.101	Biology of Plants	15	
123.101	Chemistry and Living Systems	15	R 123.171
122.102	Biochemistry of Cells	15	P 123.101, 162.101
123.102	Chemistry and the Material World	15	R 123.172
159.101	Programming Fundamentals	15	

161.120	Introductory Statistics	15	R 115.101, 161.100, 161.110, 161.130, 195.101
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101
214.131	Introduction to Food and Nutrition	15	R 141.101, 151.232, 151.344
246.101	Science and Sustainability	15	P PPD
115.102	Accounting	15	R 110.100
115.103	Legal and Social Environment of Business	15	
115.104	Principles of Marketing	15	R 156.100, 156.200
115.105	Fundamentals of Finance	15	R 125.100
115.106	Economics	15	R 178.101
115.107	Management Information Systems	15	R 157.100
115.108	Organisations and Management	15	R 152.100

Veterinary Preparation Endorsement

Compulsory papers (75 credits):

123.103	Introductory Chemistry	15	R 119.153; 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
124.100	Introductory Physics	15	R 119.153; 124.100 may not be taken after any of 124.101, 124.111, 124.171, 124.172 has been passed
162.103	Introductory Biology	15	R 162.103 may not be taken after 162.101 has been passed
158.100	Computer Applications and the Information Age	15	
134.103	Critical Thinking	15	

And

15 credits from:

115.101	Statistics for Business	15	R 161.100, 161.110, 161.120, 161.130
161.120	Introductory Statistics	15	R 115.101, 161.100, 161.110, 161.130, 195.101
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101

And

15 credits from:

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172

And

15 credits from:

119.155	Communications in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
192.102	Academic Writing in English for Speakers of Other Languages	15	

The Diploma in Visual Arts DipVisualArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations

for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Diploma in Visual Arts requires that the applicant will meet the university admission requirements.
2. A student with an incomplete Massey University Certificate in Visual Arts, Diploma in Design, Diploma in Fine Arts, Bachelor of Design, Bachelor of Design with Honours, Bachelor of Fine Arts or Bachelor of Fine Arts with Honours may at the discretion of the Academic Board, transfer credit earned into the Diploma in Visual Arts.

Academic Requirements

3. To qualify for the award of the Diploma in Visual Arts, a student shall pass papers to a total of 120 credits from the Schedule to these regulations and/or approved papers from the Schedules for the Bachelor of Design or Bachelor of Fine Arts. Students may include up to 15 credits of papers from schedules for other degrees.

Endorsement

4. The Diploma in Visual Arts is awarded without endorsement.

Student Progression

5. Students who have been awarded a Diploma in Visual Arts may apply to credit Diploma papers towards an undergraduate diploma or degree of the University, provided that they comply with the Regulations for the particular degree. Students who wish to credit papers totalling more than 45 credits in terms of this regulation will be required to surrender the Certificate before the credit will be granted.

Unsatisfactory Academic Progress

6. The general Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

7. The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

Transitional Provisions

8. Candidates who commenced the Certificate in Art and Design Studies prior to 1 January 2014 may complete the qualification under the 2013 regulations, or for credit already completed satisfy the requirements of these regulations through transfer of such credit to these regulations for papers with 197, 198, 212, 213, 221, 222, 223, 224, 225, 237 prefix numbers.
9. These transition regulations expire at the end of 2015.

Schedule for the Diploma in Visual Arts

197.119	Coding for Creative Practice	15	
197.152	Video and Sound	15	
197.191	Art and Design: Special Topic I	15	P Permission Paper Coordinator
198.120	Digital Fabrication	15	
212.100	Fashion Pattern Making	15	R 212.203
212.101	Fashion Construction	15	R 212.205
213.150	Painting	15	R 213.203
213.151	Contemporary Sculpture	15	R 213.204
213.154	Drawing as Expanded practice	15	
213.155	Drawing the Body I	15	R 197.101
221.100	Photography as an Agent of Change	15	
222.103	Social Media Culture	15	
222.104	Printmaking	15	R 222.209
237.117	Maori Art and Design Studio I – Toi Atea	15	R 197.117
237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102

UNDERGRADUATE CERTIFICATES

The Certificate in Adult Education*	341	The Certificate in Pacific Development	344
The Certificate in Art and Design Studies*	342	The Certificate in Public Health	344
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The Certificate in Aviation Studies	342	The Certificate in Sport Coaching*	346
The Certificate in Business Studies	343	The Certificate in Visual Arts	346
The Certificate in Counselling Theory*	343	The Science Certificate*	347
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* No new enrolments

The Certificate in Adult Education CertAdultEd

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Admission to the Certificate shall be subject to the approval of the Academic Board.
- Candidates for entry to the Certificate in Adult Education shall:
 - hold appropriate qualifications and/or experience in the occupation or discipline area in which they teach adult learners; and
 - be currently engaged in adult or tertiary education or training, or have access to adult learners and organisations in order to fulfil the practical requirements of the programme.

Course of Study

- The course of study of every candidate shall consist of one compulsory zero credit teaching experience paper (273.100) and 120 credits (8 papers) at 100- and 200-level chosen from those listed in the Schedules to these Regulations. The following requirements must be fulfilled:
 - At least 90 credits (6 papers) shall be completed from Schedule One, including 273.183 Adult Education Practicum.
 - The remaining 30 credits (2 papers) may be selected from Schedules One or Two.
- The Academic Board may in such exceptional cases as it thinks fit approve a personal course of study that does not conform to the foregoing Regulations.
- Candidates must provide evidence of completing at least 200 hours of satisfactory adult or tertiary teaching experience this will be credited as 273.100 once provided.

Transition Provisions

- A candidate who has been enrolled in the Advanced Certificate in Tertiary Teaching under Wellington Polytechnic Academic Board Regulations may be able to complete their studies under those Regulations or choose to complete under the Massey University Certificate in Adult Education Regulations.

Schedule One

Compulsory papers:

273.100	Adult or Tertiary Teaching Experience	0	
273.183	Adult Education Practicum	15	P at least 30 100-level credits from Schedule One; R 187.183

Elective papers:

273.180	Introduction to Adult Learning and Teaching	15	R 187.180
273.181	Adult Teaching Strategies	15	R 187.181
273.182	Training Skills for the Workplace	15	R 187.182
273.186	Course Planning and Assessment for Adult Learning	15	R 187.186
273.189	Interpersonal Skills in Adult Learning	15	R 187.189
273.206	Adult Learning	15	R 187.206
273.270	Teaching Adults	15	P any 100-level paper; R 187.270
273.274	Curriculum Development for Adult Learning	15	R 187.274
273.276	Assessment in Adult Learning Contexts	15	R 187.276
273.281	New Ideas in Adult Teaching	15	R 187.281
273.282	Teaching Young Adults	15	R 187.279; 187.282
273.293	Negotiated Adult Learning Project I	15	R 187.293

Additional papers:

Such other papers as may be approved by the Academic Board.

Schedule Two

Papers listed for other Bachelor degrees.

The Certificate in Art and Design Studies CertArtDesStud

No new enrolments from 2014

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations

for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

1. A candidate shall follow an approved coherent course of study for the equivalent of one year of full-time study.
2. To qualify for the award of the Certificate a candidate shall pass papers to a total of at least 120 credits as specified in the Schedule to these Regulations, normally including at least 30 credits at 200-level or above. Students may include up to 45 credits of approved papers from Schedules for other degrees.

Transfer of Credit

3. Candidates who have been awarded a Certificate may apply to credit Certificate papers towards an undergraduate degree of the University, provided that they comply with the Regulations for the degree in question. Candidates who wish to credit papers totalling more than 45 credits in terms of this Regulation will be required to surrender the Certificate before the credit will be granted.

Schedule to the Regulations for the Certificate in Art and Design Studies

Compulsory:

213.155	Drawing the Body I	15	R 197.101
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Elective:

221.101	Introduction to Photography	15	R 197.106
222.102	Computers for Design	15	R 197.102
237.101	Critical Studies A	15	R 197.111
237.102	Critical Studies B	15	R 197.109
237.114	Writing and Communication in Creative Arts	15	R 197.114

222.209	Printmaking I	15	R 197.209
198.281	Industrial Design History	15	P 197.109
198.380	Industrial Design Theory and Research	15	P 198.281; R 198.381
212.202	Fashion History	15	P 212.102 or 197.109 or 197.111 or 197.114 or 237.101 or 237.102
213.252	Critical Studies IIA	15	P 237.101 and 237.102 R 213.206
213.253	Critical Studies IIB	15	P 237.101 or 237.102; R 213.216
221.281	Photography History and Criticism I	15	P 2009: 197.109; P 2010 onwards: 237.101 or PHOD
221.381	Photography History and Criticism II	15	P 221.281 and 213.252
222.281	Visual Communication Design History	15	P 197.109 or 197.111 or 197.114 or 237.101 or 237.102
222.381	Visual Communication Design Studies	15	P 222.281
223.202	Textile Design History	15	P 197.109 or 197.111 or 237.101 or 237.102
223.302	Textile Design Studies	15	P 223.202 or 212.202 or PHOD
224.281	Spatial Design History	15	P 197.109 or 197.111 or 237.101 or 237.102
224.381	Spatial Design Theory and Practice	15	P 224.281
225.281	Transport Design History	15	P 197.109 or 197.111 or 237.101 or 237.102
237.207	Perception: Images, Objects and Spaces	15	R 197.207
237.211	Māori Visual and Material Culture – Toi Atea	15	P 197.109 or 237.102; R 197.110

And, with permission of the Academic Director, any other paper from the Schedules for the Bachelor of Design and the Bachelor of Fine Arts degrees.

The Certificate in Arts CertArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

1. To qualify for the award of the Certificate, a candidate shall pass undergraduate papers to a total of at least 60 credits.
2. At least 45 credits must be taken from Part II of the Schedule for the Bachelor of Arts degree. Up to 15 credits may be taken from Schedules for other undergraduate degrees.

3. A candidate who has completed the requirements for the Certificate in Arts may apply to transfer the Certificate papers towards an undergraduate diploma or degree of the University, provided that any such papers shall comply with the Regulations for the diploma or degree in question.
4. A candidate who has been awarded a Certificate in Arts may apply to cross-credit up to 15 credits of Certificate papers towards an undergraduate diploma or undergraduate degree of the University, provided that any such papers shall comply with the Regulations for the diploma or degree in question. A candidate who wishes to credit papers totalling more than 15 credits in terms of this Regulation will be required to surrender the Certificate in Arts before the transfer of credit will be granted.

The Certificate in Aviation Studies CertAvStuds

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Certificate in Aviation Studies requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

2. Candidates for the Certificate in Aviation Studies shall follow a flexible course of study, which shall consist of papers totalling at least 60 credits, including at least 45 credits selected from the Schedule to the Qualification.

Completion Requirements

3. The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.
4. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Aviation Studies

Papers from the Schedule to the Bachelor of Aviation Management degree.

Papers as approved by the School of Aviation from the Schedule to the Bachelor of Aviation degree.

The Certificate in Business Studies CertBusStuds

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- To qualify for the award of the Certificate, a candidate shall pass papers to a total of at least 60 credits.

- At least 45 credits must be taken from the Schedule for the Bachelor of Business Studies degree. Up to 15 credits may be taken from Schedules for other undergraduate degrees.
- A candidate who has completed the requirements for the Certificate in Business Studies may apply to transfer the Certificate papers towards an undergraduate diploma or degree of the University, provided that any such papers shall comply with the Regulations for the diploma or degree in question.
- A candidate who has been awarded a Certificate in Business Studies may apply to cross-credit up to 15 credits of Certificate papers towards an undergraduate degree of the University, provided that any such papers shall comply with the Regulations for that degree. A candidate who wishes to credit papers totalling more than 15 credits in terms of this Regulation will be required to surrender the Certificate in Business Studies before transfer of credit will be granted.

The Certificate in Counselling Theory CertCounsTh

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility

- Eligibility for enrolment will be as specified for undergraduate degrees.
- To qualify for the award of the Certificate in Counselling Theory, a candidate shall be required to pass 120 credits from the following Schedules.

(a) Compulsory (60 credits):

253.250	Counselling Principles and Practice	15	P Any 100-level paper in Education, Social Sciences or Business Studies relevant to the Certificate; R 209.250
253.255	Cultural Issues in Counselling	15	P Any 100-level paper in Education, Social Sciences or Business Studies relevant to the Certificate; R 209.255
253.355	Professional Issues in Counselling	15	P One of 209.250, 209.255, 253.250, or 253.255; R 209.355
275.102	Human Development	15	R 209.102

(b) At least 30 credits from:

150.114	He Tirohanga o Mua: Māori Custom, Lore and Economics	15	
150.201	Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society	15	
275.202	Development through Relationships	15	P 209.102 or 275.102; R 209.202
275.208	Adolescent Development	15	P 209.102 or 275.102; R 209.208
275.237	Narrative in Human Development	15	P 209.102 or 275.102; R 209.237

(c) 30 credits may be selected from:

114.242	Human Resource Development	15	
134.104	Practical Ethics	15	
134.220/320	Business and Professional Ethics	15	R 134.219/319
146.211	Systems of Healing	15	
147.201	Issues in Rehabilitation	15	P Any 100-level BA paper
150.213	Tikanga-ā-lwi: Tribal Development	15	
175.201	Social Psychology	15	
176.102	New Zealand Society	15	
176.216	Understanding Globalisation	15	
250.233	Gender and Health	15	

- Candidates will be responsible for meeting prerequisites stipulated for specific papers.
- Candidates may be credited with up to 45 credits to the Certificate from other appropriate qualifications. Candidates may credit papers to a total of not more than 45 credits from the Certificate in Counselling Theory to a course for another University degree, diploma or certificate. Such cross-credits shall require the approval of the Academic Board.
- A candidate who wishes to credit papers totalling more than 45 credits in terms of this Regulation will be required to surrender the Certificate before the credit will be granted.
- Subject to the approval of the College Pro Vice-Chancellor or nominee, a student may select papers up to the value of 30 credits from those papers listed in other programme Schedules.
- In the case of sufficient merit, the Certificate may be awarded with Distinction.

The Certificate in Early Years Education

CertEarlyYears

No new enrolments from 2012

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Eligibility to Enrol

1. Before enrolling for the certificate, a candidate shall have matriculated or have been granted special admission.
2. To qualify for the Certificate in Early Years Education a candidate shall undertake a course of study comprising six papers from the following list to a value of 90 credits:
 - (a) Five compulsory papers (75 credits):

265.120	Principles of the Early Years Curriculum	15	R 186.120
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265.289	Learning and Development and the Early Years Curriculum	15	R 186.289
265.293	Studies in Infants and Toddlers	15	R 186.293
265.322	Perspectives in Early Years Education	15	R 186.322

(b) One of the following papers (15 credits):

254.101	An Introduction to Social and Cultural Studies in Education	15	R 187.101
275.102	Human Development	15	R 209.102

3. Students must pass one paper from 265.120, 254.101 or 275.102 before enrolling in 200-level papers. At least one 200-level paper selected from 2(a) above must be passed before enrolling in 265.322.

Award of Certificate

4. In cases of sufficient merit the certificate may be awarded with distinction.
5. A candidate who has been awarded a Certificate may apply to credit certificate papers towards a first qualification of the University, provided that any such papers shall comply with the Regulations for the degree in question. A candidate who wishes to credit more than 30 credits will be required to surrender the Certificate before the credit will be granted.

The Certificate in Pacific Development

CertPacificDev

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course of Study

1. To qualify for the award of the Certificate, candidates are required to pass papers to the value of 60 credits.
2. Every course of study for the Certificate shall include:

(a) Compulsory:

230.102	Pacific Peoples in New Zealand	15	
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(b) Elective papers – select three from the following:

131.121	Rich World, Poor World	15	
146.102	Endangered Cultures	15	
179.110	Introducing Social and Community Work Practice	15	
179.230	The Wellbeing of Pacific Peoples in New Zealand	15	P Any 100-level BA paper
230.100	Introduction to Academic Writing	15	R 139.107, 119.155, 119.177, 237.130

The Certificate in Public Health

CertPH

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

1. Admission to the Certificate of Public Health requires that the candidate will:
 - (a) meet the University admission requirements as specified; and will have
 - (b) continued approved employment in a public health role during all academic periods while enrolled in the Certificate; or

(c) continued access to approved supervised practical experience in a public health context during all academic periods while enrolled in the Certificate.

2. Any candidate who does not have continued approved employment in a public health role during all academic periods while enrolled in the Certificate must consent to a New Zealand Police screening check.

Qualification Requirements

3. Candidates for the Certificate in Public Health shall follow a course of study, which shall consist of papers totalling at least 60 credits, including all of the papers specified in the qualification schedule.

Specialisations

4. The Certificate in Public Health is awarded without specialisation.

Completion Requirements

5. The timeframes for completion as outlined in the General Regulations for the Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates will apply.

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Performance

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

231.101	Introduction to Public Health and Research	15
231.102	Determinants of Health	15
231.103	Public Health Development and Evaluation	15
231.104	Public Health Policy and Advocacy	15

The Certificate in Science and Technology CertScTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, and Undergraduate Certificates, and Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Certificate in Science and Technology requires that the candidate will meet the University admission requirements as specified.

Qualification Requirements

- Candidates for the Certificate in Science and Technology shall follow a flexible course of study, which shall comprise:
 - papers selected from the Schedule to the Certificate;
 - at least 60 credits at 100-level or above.
 - 192.102 Academic Writing in English for Speakers of Other Languages may be included unless papers 119.155 or 119.177 have been completed.
- Notwithstanding Regulation 2(a), and at the discretion of Academic Board, students exiting or proceeding to the Bachelor of Engineering with Honours, Bachelor of Food Technology with Honours, Bachelor of Medical Laboratory Science, Bachelor of Veterinary Science, Bachelor of Veterinary Technology, and Bachelor of Food Technology, may have a personal course variation approved in excess of stated limits, to meet the requirements of the Certificate of Science and Technology through substitution of papers from the schedules to those degrees.

Specialisations

- Candidates may complete an approved endorsement by passing a coherent set of papers of at least 60 credits as specified in the Schedule to the Certificate.
- The endorsements available are: Engineering Preparation, Engineering Studies and Veterinary Preparation.
- The Certificate in Science and Technology may be awarded without an endorsement.

Completion Requirements

- The timeframes for completion as outlined in the General Regulations for Undergraduate Degrees, Diplomas and Certificates, and Graduate Diplomas and Certificates will apply.
- Candidates may be graduated when they meet the Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply

Schedule for the Qualification

Unendorsed Certificate

Papers selected from the following prefixes: 112 Agribusiness, 117 Animal Science, 119 Agriculture and Horticulture, 120 Plant Biology, 121 Environmental Science, 122 Biochemistry, 123 Chemistry, 124 Physics, 145 Geography, 151 Nutritional Science, 157 Information Systems, 158 Information Technology, 159 Computer Science, 160 Mathematics, 161 Statistics, 162 Biology, 175 Psychology, 189 Soil Science, 194 Physiology, 196 Ecology, 199 Zoology, 203 Genetics, 214 Health Sciences, 218 Building

and Construction, 233 Earth Science, 234 Sport and Exercise Science, 236 Nanoscience, 240 Logistics and Supply Chain Management, 246 Natural Sciences, 247 College of Sciences, 250 College of Health, 283 Agronomy, 284 Horticulture, 285 Plant Health, 286 Equine and 275.102 Human Development.

Engineering Preparation Endorsement

Compulsory papers (45 credits):

123.103	Introductory Chemistry	15	R 119.153; 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
124.100	Introductory Physics	15	R 119.153; 124.100 may not be taken after any of 124.101, 124.111, 124.171, 124.172 has been passed

15 credits from:

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172

And

15 credits from:

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.100, 228.111, 141.111, 246.102
192.102	Academic Writing in English for Speakers of Other Languages	15	

Engineering Studies Endorsement

Compulsory papers (15 credits):

228.153	Introductory Engineering Studies	15
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15 credits from:

119.155	Communication in the Sciences	15	R 119.177, 139.107, 139.177, 140.125, 140.150, 140.151, 230.111, 228.111, 141.111, 246.102
192.102	Academic Writing in English for Speakers of Other Languages	15	

Endorsement papers (30 credits):

123.103	Introductory Chemistry	15	R 119.153; 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
124.100	Introductory Physics	15	R 119.153; 124.100 may not be taken after any of 124.101, 124.111, 124.171, 124.172 has been passed
159.101	Programming Fundamentals	15	
160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period.
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172
161.120	Introductory Statistics	15	R 161.100, 161.110, 161.130, 115.101, 195.101
161.130	Introductory Biostatistics	15	R 161.100, 161.110, 161.120, 115.101, 195.101

162.103	Introductory Biology	15	R 162.103 may not be taken after 162.101 has been passed
214.131	Introduction to Food and Nutrition	15	R 141.101, 151.232, 151.344

Veterinary Preparation Endorsement

Compulsory papers (45 Credits)

123.103	Introductory Chemistry	15	R 119.153; 123.103 may not be taken after 123.101, 123.171, 123.102 or 123.172 has been passed
124.100	Introductory Physics	15	R 119.153; 124.100 may not be taken after any of 124.101, 124.111, 124.171, 124.172 has been passed
162.103	Introductory Biology	15	R 162.103 may not be taken after 162.101 has been passed

And

15 credits from:

160.103	Introductory Mathematics	15	R A student who has passed 160.131, 160.132, 160.133, 160.101, 160.111, 160.112, 228.171 or 228.172 may not be also credited with a pass in 160.103 that is obtained in either the same or a subsequent examination period
160.132	Concepts in Mathematics	15	P 16 credits in NCEA Level 2 Mathematics; R 160.101, 160.102, 160.103, 160.111, 160.112, 160.131, 228.171, 228.172

The Certificate in Sport Coaching CertSpCoach

No new enrolments from 2011

Course Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Course Requirements

- Enrolment for the Certificate in Sport Coaching shall be restricted to coaches nominated by their National Sport Organisation (NSO).
- To graduate from the programme the candidate must successfully pass the following 75 credits:

234.331	Sport in the Social Context	15	P any three papers at 200-level; R 152.210, 152.313
or			
234.232	Sport Business	15	P any 100-level paper; P 152.211
234.236	Sport Coaching: Management and Leadership	15	P any 100-level paper; P 152.214
152.373	National Sport Organisation Coaching Practicum	30	P any 200-level paper and PHOS

- A candidate who has been awarded the Certificate may apply to credit Certificate papers towards an undergraduate degree of the University, provided that any such papers shall comply with the regulations for that degree. A candidate who wishes to credit more than 30 credits in terms of this regulation will be required to surrender the Certificate before the credit will be granted.

The Certificate in Visual Arts CertVisualArts

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

Admission

- Admission to the Certificate in Visual Arts requires that the applicant will meet the university admission requirements.
- A student with an incomplete Massey University Diploma in Visual Arts, Diploma in Design, Diploma in Fine Arts, Bachelor of Design, Bachelor of Design with Honours, Bachelor of Fine Arts or Bachelor of Fine Arts

with Honours may at the discretion of the Academic Board, transfer credit earned into the Certificate in Visual Arts.

Academic Requirements

- To qualify for the award of the Certificate in Visual Arts, a student shall pass papers to a total of 60 credits from the Schedule to these regulations and/or approved papers from the Schedules for the Bachelor of Design or Bachelor of Fine Arts.

Endorsement

- The Certificate in Visual Arts is awarded without endorsement.

Student Progression

- Students who have been awarded a Certificate in Visual Arts may apply to credit Certificate papers towards an undergraduate diploma or degree of the University, provided that they comply with the Regulations for the particular qualification. Students who wish to credit papers totalling more

than 45 credits in terms of this regulation will be required to surrender the Certificate before the credit will be granted.

Unsatisfactory Academic Progress

6. The general Unsatisfactory Academic Progress regulations will apply.

Completion Requirements

7. The General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates apply.

Transitional Provisions

8. Students who commenced the Certificate in Art and Design Studies prior to 1 January 2014 may complete the qualification under the 2013 regulations, or, for credit already completed satisfy the requirements of these regulations through transfer of such credit to these regulations for papers with 197, 198, 212, 213, 221, 222, 223, 224, 225, 237 prefix numbers.

9. These transition regulations expire at the end of 2015.

Schedule for the Certificate in Visual Arts

197.119	Coding for Creative Practice	15
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197.152	Video and Sound	15	
197.191	Art and Design: Special Topic I	15	P Permission Paper Coordinator
198.120	Digital Fabrication	15	
212.100	Fashion Pattern Making	15	R 212.203
212.101	Fashion Construction	15	R 212.205
213.150	Painting	15	R 213.203
213.151	Contemporary Sculpture	15	R 213.204
213.154	Drawing as Expanded Practice	15	
213.155	Drawing the Body I	15	R 197.101
221.100	Photography as an Agent of Change	15	
222.103	Social Media Culture	15	
222.104	Printmaking	15	R 222.209
237.117	Maori Art and Design Studio I – Toi Atea	15	R 197.117
237.130	Communication in Creative Cultures	15	R 237.101, 237.114
237.131	Conversations in Creative Cultures	15	R 237.102

The Science Certificate SciCert

No new enrolments from 2010. Students enrolled for this programme in 2010 and previous years may continue under the regulations in the 2009 Massey University Calendar.

SUB-DEGREE DIPLOMAS AND CERTIFICATES

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The Certificate in Advanced Intensive English CertAdvIE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

- Admission to the Certificate in Advanced Intensive English requires that the candidate will have:
 - an ability to read and write in any language;
 - been placed into the qualification on the basis of an assessment of their reading, writing, listening and speaking skills in English;
 - completed education to the equivalent of at least NCEA Level 1.

Qualification Requirements

- Candidates for the Certificate in Advanced Intensive English shall follow a fixed course of study, which shall consist of papers totalling at least 72 credits from the schedule to the qualification.

Specialisations

- There are no specialisations for this qualification.

Completion Requirements

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Advanced Intensive English

Course of Study

192.089	Advanced Reading and Writing	18
192.090	Expressing Complex Ideas and Relationships	18
192.091	Accessing the Community	18
192.092	Advanced Reading and Writing (Special Topic)	18
192.095	English for Academic Purposes: Advanced	18
192.096	Extending Language Skills and Strategies for Tertiary Studies	18

The Certificate in Elementary Intensive English CertElemIE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

- Admission to the Certificate in Elementary Intensive English requires that the candidate will have:
 - an ability to read and write in any language;
 - been placed into the qualification on the basis of an assessment of their reading, writing, listening and speaking skills in English;
 - completed education to the equivalent of at least NCEA Level 1.

Qualification Requirements

- Candidates for the Certificate in Elementary Intensive English shall follow a fixed course of study, which shall consist of papers totalling at least 72 credits from the schedule to the qualification.
- Notwithstanding Regulation 2, with the approval of the Director, Professional and Continuing Education a candidate may substitute a paper or papers listed in the Schedule for the Certificate in Pre-Intermediate Intensive English for one or more paper listed in the Schedule to the qualification.
- No paper may be credited to more than one of Massey University's Intensive English certificates.

Specialisations

- There are no specialisations for this qualification.

Completion Requirements

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Elementary Intensive English

Course of Study

192.062	Elementary Listening and Speaking	18
192.063	Elementary Reading and Writing	18
192.064	Skills and Strategies for Elementary Reading and Writing	18
192.065	Skills and Strategies for Elementary Listening and Speaking	18

The Certificate in Foundation Studies

CertFoundStud

The Certificate in Foundation Studies is aimed at preparing students for undergraduate study in a New Zealand tertiary environment. The programme includes courses in the areas of Business, Humanities, Social Science, and Science.

Entrance Requirements

- Before enrolling for the Certificate, candidates shall:
 - satisfy the Academic Board that they have completed the equivalent of Year 12, NCEA Level 2; and
 - have a minimum IELTS score of 5.5 overall with a minimum of 5.0 in each band or 14 literacy credits at NCEA level 1 or higher.
- Candidates must successfully complete a minimum of six papers.
 - Candidates must complete two compulsory papers:

192.018	Foundation Studies in English for Academic Purposes	45	
192.019	Foundation Studies in Academic Study Skills	15	
			(b) Candidates must choose four papers from:
115.012	Foundation Studies in Accounting	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
247.001	Foundation Mathematics I	15	C 192.018; R 119.010. Students will not be permitted to enrol in 247.001 concurrently with 160.011 or after they have passed 247.002 or 160.011
247.003	Bridging the Physical Sciences	15	P 192.018 and 192.019 (CFS students only); R 119.011

247.004	Bridging the Biological Sciences	15	P 192.018 and 192.019; R 119.012
123.011	Foundation Studies in Chemistry	15	
124.011	Foundation Studies in Physics	15	
115.013	Foundation Studies in Management	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
247.002	Foundation Mathematics II	15	P 192.018 and 192.019 (CertFoundStud only); R 160.011. Students will not be permitted to enrol in 247.002 concurrently with 247.001
115.014	Foundation Studies in Economics	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
230.001	Bridging the Humanities	15	
230.002	Bridging the Social Sciences	15	

University Admission

- Candidates who successfully complete the Certificate will have satisfied the minimum requirements for admission to an undergraduate degree at Massey University.

Restrictions

- Students are only permitted to count either 247.001 or 247.002 towards the Certificate in Foundation Studies.

Prerequisite Requirements

- Students will not be permitted to enrol in any elective papers (b) until 192.018 and 192.019 have been passed.

The Certificate in Intermediate Intensive English

CertIntIE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

- Admission to the Certificate in Intermediate Intensive English requires that that the candidate will have:
 - an ability to read and write in any language;
 - been placed into the qualification on the basis of an assessment of their reading, writing, listening and speaking skills in English;
 - completed education to the equivalent of at least NCEA Level 1.

Qualification Requirements

- Candidates for the Certificate in Intermediate Intensive English shall follow a fixed course of study, which shall consist of papers totalling at least 72 credits from the schedule to the qualification.
- Notwithstanding Regulation 2, with the approval of the Director, Professional and Continuing Education a candidate may substitute a paper or papers listed in the Schedule for the Certificate in Upper Intermediate Intensive English for one or more paper listed in the Schedule to the qualification.

- No paper may be credited to more than one Intensive English certificate.

Specialisations

- There are no specialisations for this qualification.

Completion Requirements

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Intermediate Intensive English

192.075	Intermediate Reading and Writing	18
192.076	Intermediate Listening and Speaking	18
192.078	Skills and Strategies for Intermediate Reading and Writing	18
192.079	Skills and Strategies for Intermediate Listening and Speaking	18

The Certificate in Pre-Intermediate Intensive English CertPre-IntIE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

1. Admission to the Certificate in Pre-Intermediate Intensive English requires that the candidate will have:
 - (a) an ability to read and write in any language;
 - (b) been placed into the qualification on the basis of an assessment of their reading, writing, listening and speaking skills in English;
 - (c) completed education to the equivalent of at least NCEA Level 1.

Qualification Requirements

2. Candidates for the Certificate in Pre-Intermediate Intensive English shall follow a fixed course of study, which shall consist of papers totalling at least 72 credits from the schedule to the qualification.
3. Notwithstanding Regulation 2, with the approval of the Director, Professional and Continuing Education a candidate may substitute a paper or papers listed in the Schedule for the Certificate in Intermediate Intensive English for one or more paper listed in the Schedule to the qualification.

4. No paper may be credited to more than one of Massey University's Intensive English certificates.

Specialisations

5. There are no specialisations for this qualification.

Completion Requirements

6. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

7. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Pre-Intermediate Intensive English

192.070	Pre-Intermediate Listening and Speaking	18
192.072	Pre-Intermediate Reading and Writing	18
192.073	Skills and Strategies for Pre-Intermediate Reading and Writing	18
192.079	Skills and Strategies for Pre-Intermediate Listening and Speaking	18

The Certificate in Upper Intermediate Intensive English CertUpperIntIE

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

1. Admission to the Certificate in Upper Intermediate Intensive English requires that the candidate will have:
 - (a) an ability to read and write in any language;
 - (b) been placed into the qualification on the basis of an assessment of their reading, writing, listening and speaking skills in English;
 - (c) completed education to the equivalent of at least NCEA Level 1.

Qualification Requirements

2. Candidates for the Certificate in Upper Intermediate Intensive English shall follow a fixed course of study, which shall consist of papers totalling at least 72 credits from the schedule to the qualification.
3. Notwithstanding Regulation 2, with the approval of the Director, Professional and Continuing Education a candidate may substitute a paper or papers listed in the Schedule for the Certificate in Advanced Intensive English for one or more paper listed in the Schedule to the qualification.
4. No paper may be credited to more than one of Massey University's Intensive English certificates.

Specialisations

5. There are no specialisations for this qualification.

Completion Requirements

6. Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

7. The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Certificate in Upper Intermediate Intensive English

Course of Study

192.080	Upper Intermediate Reading and Writing	18
192.082	Upper Intermediate Listening and Speaking	18
192.085	Skills and Strategies for Upper Intermediate Reading and Writing	18
192.088	Skills and Strategies for Upper Intermediate Listening and Speaking	18

The Certificate of University Preparation CertUniPrep

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

- Admission to the Certificate of University Preparation requires that the candidate will meet the University admission requirements as specified, or shall have:
 - completed Year 13 at a New Zealand secondary school, or equivalent; and
 - achieved at least one C grade in the New Zealand Entrance Bursaries and Scholarships Examinations; or
 - achieved at least 14 credits at NCEA Level 3 in an approved subject; or,
 - be approved into the qualification on the basis of overall performance across other NCEA Level 3 subjects, or equivalent.

Qualification Requirements

- Candidates for the Certificate of University Preparation shall follow a flexible course of study, which shall consist of at least 60 credits comprising:
 - papers selected from the Schedule to the qualification; and including
 - the core papers listed in Schedule A of the Qualification;
 - attending field trips, studios, workshops, tutorials, and laboratories as required.
- Notwithstanding Regulation 2, and at the discretion of Academic Board, a personal course variation may be approved in excess of stated limits to meet the requirements of the Certificate of University Preparation through substitution of papers.
- Candidates for whom Biology is the only qualifying subject under Regulation 1 will not be permitted to credit 119.012 to the Certificate of University Preparation.

Specialisations

- The Certificate of University Preparation is awarded without specialisation.

Completion Requirements

- A candidate's course of study may not exceed two semesters from date of first enrolment in a paper to be credited to the certificate.

- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

Part A Compulsory Papers

192.019	Foundation Studies in Academic Study Skills	15
206.001	Communication Skills	15

Part B Elective Papers

115.012	Foundation Studies in Accountancy	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
247.001	Foundation Mathematics I	15	C 192.018; R 119.010. Students will not be permitted to enrol in 247.001 concurrently with 160.011 or after they have passed 247.002 or 160.011
247.003	Bridging the Physical Sciences	15	R 119.011
247.004	Bridging the Biological Sciences	15	P 192.018 and 192.019; R 119.012
123.011	Foundation Studies in Chemistry	15	
124.011	Foundation Studies in Physics	15	
115.013	Foundation Studies in Management	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
247.002	Foundation Mathematics II	15	R 160.011. Students will not be permitted to enrol in 247.002 concurrently with 247.001
115.014	Foundation Studies in Economics	15	P 192.018 and 192.019 (applies to Certificate in Foundation Studies programme only)
230.001	Bridging the Humanities	15	
230.002	Bridging the Social Sciences	15	

Note

Students for whom Biology is the only qualifying subject under Regulation 1 will not be permitted to take 247.004.

The Foundation Certificate in Academic English FoundCertAcadEngl

Qualification Regulations

The Foundation Certificate in Academic English is aimed at preparing students for whom English is a second or additional language for university study in New Zealand in the medium of English. The programme includes preparation in academic English and learning conventions appropriate for pre-degree and undergraduate study.

General

- The Massey University Regulations governing Admission, Enrolment, Recognition of Prior Learning, Assessment and Examinations, and Unsatisfactory Academic Progress shall apply, in addition to the following Regulations specific to the qualification.

Qualification Requirements

- Before enrolling for the Foundation Certificate, a candidate shall have:
 - received a conditional offer of place to their next programme of study (conditional on English language proficiency only); and
 - a minimum 5.0 IELTS in each band or equivalent.
- Candidates must pass all four papers to be eligible for the award of the qualification.

192.020	Academic Reading and Writing I	18	
192.021	Language Skills for Academic Study I	18	
192.022	Academic Reading and Writing II	18	P 192.020
192.023	Language Skills for Academic Study II	18	P 192.021

Prerequisite Requirements

- Candidates must successfully complete 192.020 before proceeding to 192.022, and must successfully complete 192.021 before proceeding to 192.023.

University Admission

- Candidates must achieve the following grade point average (scale 0 – 9) to satisfy the Calendar Admission Regulations for English Language Competency (2008, p. 20, notes 4 and 6).

Certificate in Foundation Studies	2.0
Certificate of University Preparation	4.0
Undergraduate	7.0

Note

The Director, Massey University Centre for Professional and Continuing Education, may waive the requirement for an internationally recognised English language test result upon satisfactory evidence of equivalent proficiency.

The Foundation Certificate in Advanced Academic English

FoundCertAdvAcadEngl

The Foundation Certificate in Advanced Academic English is aimed at preparing students for whom English is a second or additional language for university study in New Zealand in the medium of English. The programme includes preparation in academic English and learning conventions appropriate for postgraduate or selected undergraduate study.

Qualification Regulations

General

- The Massey University Regulations governing Admission, Enrolment, Recognition of Prior Learning, Assessment and Examinations, and Unsatisfactory Academic Progress shall apply, in addition to the following Regulations specific to the qualification.

Qualification Requirements

- Before enrolling for the Foundation Certificate, a candidate shall have:
 - received a conditional offer of place to their next programme of study (conditional on English language proficiency only); and
 - a minimum 5.5 IELTS in each band or equivalent.
- Candidates must pass all four papers to be eligible for the award of the qualification.

192.030	Advanced Academic Reading and Writing I	18
192.031	Advanced Academic Language Skills and Conventions I	18

192.032	Advanced Academic Reading and Writing II	18	P 192.030
192.033	Advanced Academic Language Skills and Conventions II	18	P 192.031

Prerequisite Requirements

- Candidates must successfully complete 192.030 before proceeding to 192.032, and must successfully complete 192.031 before proceeding to 192.033.

University Admission

- Candidates must achieve the following grade point average (scale 0–9) to satisfy the Calendar Admission Regulations for English Language Competency (2008, p. 20, notes 4 and 6).

Graduate Diploma	2.0
Postgraduate	4.0
Selected undergraduate or postgraduate (Note 2)	7.0

Notes

- The Director, Massey University Centre for Professional and Continuing Education, may waive the requirement for an internationally recognised English language test result upon satisfactory evidence of equivalent proficiency.
- Selected undergraduate or postgraduate programmes are those that state higher English language admission criteria than the standard postgraduate requirements.

The Foundation Certificate in Agriculture

FoundCertAg

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University.

Part II

Admission

- Admission to the Foundation Certificate in Agriculture requires that the candidate will have completed, to the satisfaction of Academic Board, 12 months' farm employment and:
 - be at least 18 years of age; and
 - have successfully completed Year 12 education (NCEA Level Two) and achieved the literacy and numeracy requirements for University Entrance, or have achieved an equivalent post-secondary school qualification.

Qualification Requirements

- Candidates for the Foundation Certificate in Agriculture shall follow a fixed course of study, which shall consist of papers totalling at least 60 credits, comprising:
 - the papers listed in the Schedule for the Qualification;

- attending field trips, studios, workshops, tutorials, and laboratories as required.

Specialisations

- The Foundation Certificate in Agriculture is awarded without specialisations.

Completion Requirements

- A candidate's course of study may not exceed two years from date of first enrolment in the Foundation Certificate in Agriculture.
- Candidates may be graduated when they meet the Admission, Qualification and Academic requirements within the prescribed timeframes.

Unsatisfactory Academic Progress

- The general Unsatisfactory Academic Progress regulations will apply.

Schedule for the Qualification

117.006	Animal Production and Health	15
119.006	Foundation Farm and Industry Study	15
283.006	Pasture and Crop Production	15
189.006	Soil Productivity	15

The Diploma in Dairy Technology

DipDairyTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

- Every candidate in the Diploma in Dairy Technology shall:
 - have attained at least 14 credits at NCEA Level 2 Mathematics, Science or Biology, plus one other subject, or
 - produce evidence of a satisfactory standard of general education and/or informal learning equivalent to that specified in (a), and

- (c) be a domestic student as defined by the Education Act (1989) and be currently employed by a dairy company, or
 - (d) be an international student currently employed by a dairy company approved at the discretion of the Programme Director, in consultation with major stakeholders in the diploma.
2. The Diploma in Dairy Technology consists of three Parts: Part I of 45 credits, Part II of 60 credits and Part III of 60 credits. During the period between successive Parts of study, candidates shall work full-time in dairy processing plants.
 3. The papers of study are listed in the Schedule following these Regulations.
 4. Candidates may complete Part I and thus progress to Part II by either passing the papers or by waiver under Regulation 5. Candidates may complete Part II and thus progress to Part III by either passing all the papers or by award of a Combined Results Pass for Part II. Similarly, candidates may complete Part III by either passing all the papers or by the award of a Combined Results Pass for Part III.

Students failing to complete all papers in a part shall re-enrol in those papers, but additionally may apply for permission to take papers in a later part. Such permission will be granted if the Programme Director is of the opinion that the proposed course of study is of benefit to the student.

Waivers, Exemptions and Recognition of Prior Learning

5. (a) Any candidate who, prior to enrolling, has attained in the areas of study of Part I a standard acceptable to the Academic Board may have the requirement to complete Part I waived.
- (b) Any candidate who has achieved passes in papers or units of learning in either NZQA- or non-NZQA-recognised qualifications where, in the opinion of the Academic Board, the content and standard are substantially the same as those for a paper within the Diploma

in Dairy Technology, shall be granted credit for the corresponding paper.

- (c) The total credit given under this Regulation shall not exceed 45 credits in Part I and no more than 15 credits in Part II.
6. Each candidate shall complete a practical report based on a period of practical work, totalling not less than 400 hours, in a dairy processing plant.
 7. The Diploma in Dairy Technology may be conferred with Distinction where the candidate maintains a superior standard of work throughout Parts II and III of the course.

Part I

123.013	Elementary Science and Mathematics	45
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Part II

141.125	Dairy Chemistry	15
141.126	Dairy Microbiology and Preservation	15
141.127	Dairy Processing	15
141.128	Dairy Engineering	15

Part III

141.019	Practicum	0
141.130	Cheese Technology	15
141.131	Milk Powder Technology	15
141.132	Casein Technology	15
141.133	Butter and Milk fat Technology	15

The Diploma in Meat Technology DipMeatTech

Qualification Regulations

Part I

These regulations are to be read in conjunction with all other Statutes and Regulations of the University including the General Regulations for Undergraduate Degrees, Undergraduate Diplomas, Undergraduate Certificates, Graduate Diplomas and Graduate Certificates.

Part II

1. Every candidate in the Diploma in Meat Technology shall either:
 - (a) have achieved at least 14 credits at NCEA Level 2 in each of English, Mathematics and either Science or Biology and at least 7 credits at Level 2 in a fourth subject; or
 - (b) produce evidence of a satisfactory standard of general education and/or informal learning equivalent to that specified in (a).
2. The Diploma in Meat Technology consists of two Parts, Part I of 45 credits and Part II of 90 credits plus two periods of practical work experience with associated reports.
3. The papers of study are listed in the Schedules following these Regulations.
4. Candidates may complete Part I and thus progress to Part II, by passing the papers or by exemption under Regulation 5. Candidates may complete Part II, by either passing all the papers or by award of a Combined Results Pass for the Part as a whole.

Waivers, Exemptions and Recognition of Prior Learning

5. (a) Any student who, prior to enrolling, has attained in the areas of study of Part I a standard acceptable to the Academic Board may have the requirement to complete Part I waived.
- (b) Any candidate who has achieved passes in papers or units of learning in either NZQA- or non-NZQA-recognised qualifications where,

in the opinion of the Academic Board, the content and standard are substantially the same as those for a paper within the Diploma in Meat Technology, shall be granted credit for the corresponding paper.

- (c) The total credit given under this regulation shall not exceed 45 credits in Part I and no more than 15 credits in Part II.
6. Each candidate shall complete to the satisfaction of Academic Board two periods of approved practical work totalling not less than 300 hours and generate two associated reports:

142.018	Practicum I	0
142.019	Practicum II	0

7. The Diploma in Meat Technology may be conferred with Distinction where the candidate maintains a superior standard of work throughout Part II of the course.

Part I

280.016	Elementary Meat Science	30	R 142.016
280.017	Elementary Meat Mathematics	15	R 142.017

Part II

280.101	Animal Production Through to Carcass Classification	15	R 142.101
280.102	Preparation and Preservation of Fresh Meat	15	R 142.102
280.103	Meat Plant Services and Utilities	15	R 142.103
280.104	Co-products Derived from Meat Animals	15	R 142.104
280.105	Quality Assurance for the Meat Industry	15	R 142.105
280.106	Added-Value Processing of Meat and Meat Products	15	R 142.106

STUDYING AT MASSEY UNIVERSITY

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Code of Student Conduct

- The purpose of the Code is to encourage:
 - ethical conduct in undertaking academic studies and research;
 - integrity and respect in the teaching and learning process;
 - courtesy, safety and respect amongst students and between students and the University;and to specify:
 - certain required standards of student conduct in respect of academic studies, research and other behaviour connected with a student's course of studies or status as a member of the University;
 - the University Disciplinary Procedures by which complaints of misconduct by students shall be resolved.
- Required standards of student conduct**
- Students shall:
 - comply with this Code, and all other relevant University policies, codes, regulations and procedures, including ethical and professional standards and specific protocols for particular research projects;
 - comply with all relevant laws, including laws relating to the privacy and confidentiality of information;
 - treat other students, the University staff, other members of the University community and the public with courtesy and respect;
 - treat the property of other students, University staff, other members of the University community and the public with respect;
 - act with honesty and integrity when accessing and using the University systems;
 - act with honesty and integrity in submitting material or imparting information to the University.
- A full copy of the Student Disciplinary Regulations can be found in the online Calendar at <http://calendar.massey.ac.nz/>. This Regulation has been augmented for breaches of academic integrity only, by the Student Academic Integrity Policy and the Procedure of Managing Breaches of Academic Integrity at: <http://www.massey.ac.nz/?aa7ca0648c>

Student Contract

The University and the Student form a contractual relationship when the Student accepts an Offer of Place. That Contract is subject to the University, issuing a Confirmation of Enrolment once all requirements have been satisfied. If no Confirmation of Enrolment is issued then the Contract is at an end. If the University issues a Confirmation of Enrolment, the following are the terms of that Contract which the University and the Student accept are to govern their relationship, along with statute, and with the Regulations and Rules of the University.

The University will:

- Use best endeavours to provide the Student with tuition and supervision of a professional standard in the course(s) in which the Student is enrolled.
- Act reasonably and fairly in exercising its powers under the regulatory framework and this Contract.
- Advise the Student of any changes in the course(s) required because of changes in funding, staffing or other reasonable cause.

The Student will:

- Use best endeavours to fulfil the requirements prescribed by the University for the course(s).
- Observe the Regulations and Rules of the University and accept the jurisdiction of the University in all matters connected with academic progress and with discipline.
- Pay the fees prescribed by the University for the course(s).

The University and the Student also agree:

- The Contract is formed when the Student accepts the Offer of Place. That Contract is subject to the University issuing a Confirmation of Enrolment. If a Confirmation of Enrolment is issued these are the terms of the Contract that apply.
- The Contract will continue for the period for which the Student is enrolled by the University and will then end. However, clause 12 will continue to apply after the Contract ends.
- The University and the Student may enter into further contracts, in subsequent periods, by repeating the process in clause 7.
- The relevant Admission Application, Enrolment Application, Offer of Place, Confirmation of Enrolment, regulations, rules of the University and material published in the Calendar also form part of this Contract but nothing else shall be incorporated into the contractual relationship between the Student and the University.
- Liability for failure to perform this Contract is excluded where that failure has been caused by circumstances beyond the control of the University or the Student.
- Any dispute arising out of or in connection with this Contract, or otherwise relating to the performance by the University or its staff of their responsibilities to the Student, shall be resolved through the Grievance Procedures prescribed by the University Calendar, <http://www.massey.ac.nz/> which shall be the exclusive procedures for resolution of such a dispute.

Student Discipline

Academic Integrity

- All students are required to comply with the principles of Academic Integrity as published from time to time.
- Failure to comply with the principles of Academic Integrity may be considered to be Academic Misconduct.
- Examples of Academic Misconduct include but are not limited to:
 - Plagiarism: Presenting the work of others as one's own or without appropriate acknowledgement. This applies to material presented

in any medium – works in textual, musical, visual, spoken, or performance format. Examples of plagiarism may be –

- Copying of sentences, paragraphs, computer files, research data, creative products that are the works of other persons, without appropriate acknowledgement;
- Closely paraphrasing sentences, paragraphs or themes without appropriate acknowledgement;
- Submitting all or parts of other student's work;

- (iv) Self-Plagiarism: Submitting one's own previously assessed or published work for assessment or publication elsewhere, without appropriate acknowledgement and/or approval;
 - (v) Submission of work overly reliant on model answers or sample solutions provided in the learning resources.
- (b) Cheating in any examination or test. For example, the use of notes written on the body, on crib cards or mobile phones, or sheets of paper, or the use of pre-programmed electronic devices and mobile phones without permission or positioning answers so others can see and make use of them.
- (c) Collusion: Where one or more individuals set out to deceive an assessor as to the responsibility for a submitted piece of assessment work. This deception may be overt or covert and includes the following but is not limited to:
- (i) Any assistance given by a current student to another student to be dishonest or fraudulent with academic assessment;
 - (ii) In collaborative projects falsely representing the individual contributions of each person or presenting as one's own the work of others in an associated individual report.
- Students are required to complete assessment tasks individually and submit individual work unless the Paper Guide advises that assessments are group assessments.
- (d) Contract plagiarism: Submitting material obtained from essay depositories (paper mills) or from another person. Submitting an assignment where all or part has been purchased from a third party service. The offering or advertising by students for students to engage in fraudulent activities.
- (e) Presenting data with respect to laboratory work, clinical placements, practica, field trips, or other work that has been copied or falsified.
- (f) Presenting data obtained improperly, e.g. data collected without ethical consideration.
- (g) Any misrepresentation in relation to academic achievement or records.
- (h) Disclosing or assigning Intellectual Property in which the University can reasonably be said to have an interest outside the channels prescribed by the University's Intellectual Property Policy.

- (i) Any breach of the Code of Responsible Research Conduct by a student.
4. Breaches of Academic Integrity will be managed in accordance with the Procedures for Managing Student Breaches of Academic Integrity and any determination of Academic Misconduct by a student may result in academic penalties being imposed.
5. Academic penalties include but are not limited to:
- (a) Capped mark for an assessment component of a paper;
 - (b) Remedial advice to be sought from a University Learning Consultant;
 - (c) Requirement to attend an appropriate workshop or other type of learning activity, either online or face-to-face;
 - (d) Repeat or resubmission of assessment or part thereof, and re-presentation for marking;
 - (e) Repeat assessment, or part thereof, and present for marking with capped mark;
 - (f) Reduced mark (nil for affected section of the assessment task);
 - (g) Zero marks for the piece of assessment;
 - (h) Fail grade for the paper;
 - (i) Period of suspension from the University;
 - (j) Exclusion from the University.
6. The University may rescind a qualification already awarded to a student or former student, where Academic Misconduct of a serious nature is revealed post-graduation.
7. Failure of a student to participate in a remedial activity required by the University under these regulations may result in an escalation of penalties.
8. A record of a finding of Academic Misconduct may be maintained on the University's Academic Misconduct Register.
9. Notwithstanding Regulations 1 to 8, Academic Misconduct may also be addressed through the Student Disciplinary Procedures or other relevant disciplinary processes, including recourse to the civil and/or criminal justice systems.
10. Appeals may be made by students in accordance with the process described in the Student Disciplinary Regulations.

Use of Information

Library Regulations

1. The University Library is provided for the purpose of study and research by the University's students and staff and is a shared resource for the Massey community. Every authorised user of the Library has both a right to work without undue disturbance or distraction and a concomitant duty to respect the rights of others. Not all services are available to all categories of users. The Library subscribes to electronic resources whose licenses stipulate how and by whom they may be used. If a license is violated by anyone inside or outside the University, there may be serious ramifications for the University, including suspension of all University access to the resource by the Publisher.

The following Regulations are promulgated for the benefit of all Library users.

Note: 'University Librarian' or delegate means the person performing the duties of the University Librarian. 'Library' means any room used primarily for the purposes of the University Library. 'Library material' means any item, whether print, electronic or other format, provided by the Library for information, study or research.

Authorised Users

2. The following persons shall be entitled to use the Library and the Library's print resources:
- (a) members of the University Council;
 - (b) members of the staff of the University;
 - (c) students currently enrolled at the University;
 - (d) retired members of staff;

- (e) Palmerston North-based scientific and technical staff of the Fonterra Research Centre, the local divisions of the Crown Research Institutes, and the Leather and Shoe Research Association;
- (f) other persons at the discretion of the University Librarian.

Hours of Opening

3. Hours of opening shall be posted at each Library and on the Library Website. The hours may be varied at the discretion of the University Librarian.

Library Cards

4. All authorised users shall carry a current library card and produce it upon request. For most staff and students the library card is the University ID card.

Where a library card is lost, the user shall report that loss to the University Librarian.

Borrowing

5. No library material shall be removed from the Library without the loan first being properly recorded.

Library material shall be returned by the due date. The person in whose name material is borrowed is responsible for its safekeeping for the duration of the loan and for its return.

Loan Periods

6. Notices advising loan periods are displayed at the Lending Desks at each Library and on the Library website.

Library material on loan may be subject to recall at any time, including study breaks and summer vacation. Recalled material must be returned by the notified date. Failure to do so will incur a fine.

7. Loans may be renewed up to four times, provided that the items are not required by another user. After four renewals they must be returned for re-issue.
8. Items in Short-Term Collections are issued for periods ranging from two hours to three days. Items that belong to the Library may be borrowed overnight provided they are collected within two hours of the Library closing and returned within one hour of the Library opening on the following day.

Lost or Damaged Material

9. Loss of, or damage to, library material shall be reported immediately to the Library. Borrowers shall be required to pay such costs as may be determined by the University Librarian for lost or damaged material, together with the prescribed administration fee. These costs shall not exceed the reasonable cost of restoring an equivalent item to the collection.

Such material remains the property of the University, notwithstanding payment of the bill for its replacement, and must, if found, be returned. A refund in whole or part will be made (depending upon the condition of the items), but the associated administration fee may be retained. No refunds will be made if more than a year has elapsed since the original payment.

Fines and Sanctions

10. Borrowers who fail to return or renew any borrowed material shall be liable to a fine unless they satisfy the University Librarian that circumstances have prevented them from returning the material at the appropriate time.
The University Librarian is under no obligation to notify borrowers when material is overdue and fines may still be imposed when material is returned after the due date, even though no notice has been received by the borrower.
11. Fines shall be payable for each day or period (or part thereof) that the material is overdue until it has been returned to the Library. Notices advising fines charges are displayed at the Lending Desks at each Library and on the website.
12. Where library material is not returned or a charge levied remains unpaid, borrowing privileges and access to licensed electronic resources will be withheld.
13. Students who have very overdue items and owe amounts in excess of \$150 shall be reported to Registry, and until the debt is discharged, shall have their enrolment suspended. Suspension means that students:
 - (a) no longer have access to University facilities;
 - (b) will not receive grades for papers;
 - (c) will not have access to their academic records; and
 - (d) may not re-enrol at Massey University until the fees have been paid in full.

Conduct of Persons Using the Library

14. No person shall create any unnecessary noise or disturbance or behave in a disruptive, disorderly or improper manner in the Library.
15. No person shall deliberately or carelessly mutilate, deface or misplace any library material or equipment.
16. Consumption of food and drink is permitted provided drinks are in spill-proof containers, and food is not strong-smelling and does not interfere with the cleanliness of the building or the study environment of Library users. Food and drink are not permitted in areas equipped with computers. Cellphones, laptops and other devices should not be used in the Library in a manner which may disturb others.
17. No person shall distribute or post any notices except on public noticeboards in the Library, except with the prior authorisation of the University Librarian.
18. All persons shall, when so requested by the Library staff, present their bags and personal belongings for inspection.
19. All persons who use the Library shall identify themselves on request to a member of the Library staff.
20. No person shall reserve a place by leaving books or other articles on desks or seats for longer than 30 minutes. Material so left may be removed.

21. In the case of any person using the Library who behaves in a disorderly or improper manner or otherwise in breach of these Regulations, the University Librarian may require that person to withdraw from the Library.

Use of Subscribed Electronic Resources (e-journals, e-books and article databases)

22. Access to Library licensed electronic resources is limited to currently-enrolled students and current members of Massey University staff or as otherwise stated in the resource-specific permissions and restrictions available to view via the Library Catalogue.
23. The Library reserves the right to monitor the use of electronic resources by users and to refuse access to users who breach the conditions of the University's license agreements.
24. When accessing subscribed electronic resources the following must be observed:
 - (a) No person shall share their Massey University username and password with another person;
 - (b) No person shall systematically download, print, or copy substantial portions of electronic resources (e.g. entire journal issues or books);
 - (c) No person shall post content from electronic resources to any non-secure public space, such as a website or blog.
 - (d) No person shall use content from electronic resources for commercial purposes (as resources are accessed under an educational-use licence).
 - (e) No person shall share content from electronic resources with people who are not Massey University staff or students.
 - (f) No person shall modify content or create derivative works.
 - (g) All users should seek advice from the Library before making multiple paper copies of an article from an electronic resource, or including a copy of an article in a course pack, study guide or online course.

Copyright

25. All persons who use a copying machine in the Library shall observe the limits described in the Copyright Act 1994, copyright notices are placed near machines and a copy of the Act may be inspected at the Information Desk.

Theses and Research Papers

26. Two copies of theses, which have been accepted for the award of Doctoral or Master's degree, must be deposited in the Library, in accordance with A Guide to the Presentation of Theses, copies of which may be obtained from the Library or Library website or as otherwise published by the Library Committee from time to time. One copy should be a hard-bound paper copy and the other a digital copy in an approved format. Each copy must contain the name of the author and the title, and contain a short abstract.
27. Where theses are provided in a digital format that relies on non-standard technology, the Library provides no guarantee that formats will be shifted to ensure access in the future.
28. Use of Te Reo in a thesis will follow the guidelines set out in Massey University's Māori Language Policy: Matua Reo Kaupapa.
29. Theses may be embargoed for a period of time only if approved by the Assistant Vice Chancellor (Research, Academic and Enterprise). It is possible with digital theses to embargo part of the thesis (e.g. an appendix) while allowing the general text to be made available to the public. A thesis that is embargoed will have the author, title, abstract and metadata available through the University's institutional repository.
30. Research papers and dissertations may be deposited in the Library.
A digital copy may be loaded on the University's institutional repository, Massey Research Online, and may be made openly available with appropriate document security.

Intellectual Property

The University operates a Policy on Intellectual Property, and students are subject to its provisions. Copies of this Policy are available at: <http://www.massey.ac.nz/massey/fms/PolicyGuide/Documents/Research/Intellectual%20Property%20Policy.pdf>

The general provisions are as follows:

The University claims legal and beneficial ownership of all New Intellectual Property Rights generated under the auspices of the University. However, Staff and Students retain ownership of copyright and other rights in certain works.

The Assistant Vice-Chancellor (Research, Academic and Enterprise) will take all reasonable steps to fairly and transparently allocate the benefits of the Intellectual Property Rights to all parties with an interest.

All students are reminded of their responsibility to abide by the Intellectual Property Policy of the University, which they accept by enrolling at the University. In particular, staff and students are bound by obligations of confidentiality in relation to Intellectual Property Rights or other commercially sensitive information they become aware of during their work or study at the University. In addition staff and students may be bound by contractual obligations with third parties relating to their research or study.

Law of Copyright

The law of copyright allows the University under certain conditions to supply material to students in which copyright works or parts of copyright works are reproduced. Students are reminded of the obligations they must accept on enrolment that materials supplied to them are to be used only for research or private study and for no other purpose.

Massey University takes out a licence with Copyright Licensing New Zealand, Australasian Performing Right Association (APRA), Australasian Mechanical Copyright Owners Society (AMCO) Recorded Music New Zealand, Screenrights, and various electronic resources annually. These

licences stipulate requirements for reproduction of copyright print works, music, broadcast sound and television works, and electronic resources for educational purposes only, and indemnifies the University and staff against any prosecution for any alleged breach of copyright while acting under the conditions of the licences. The licences do not lessen the obligation of students mentioned above.

Policy on Use and Access to Information Technology Systems

The purpose of the policy is to regulate access to and define authorised use of all University information technology and communication systems by all users. The policy is available on the University's website at:

<http://policyguide.massey.ac.nz/>

This policy covers IT and communications systems in general; items specifically included are the authorisation for access and proper use, legal ownership of messages generated or manipulated, system and information misuse criteria, misuse of IT system communication mechanisms, privacy issues relating to individuals and messages, regular message monitoring, collection of statistical data and electronic remote control computer support.

This policy also covers the procedure for dealing with policy breaches by staff and students. A breach of the policy is regarded seriously by the University and may lead to disciplinary action.

Related documents that should be read in conjunction with this policy can also be found on the University's website at:

<http://policyguide.massey.ac.nz/>

Assessment and Examination Regulations

Assessment in Taught Papers

Eligibility for Assessment

- Students who enrol for a paper, pay their fees and do not withdraw will be awarded a grade in that paper.
- Some papers require compulsory attendance at classes, including laboratories, field trips, practical exercises or extramural contact courses or block courses. In such papers, paper co-ordinators shall advise students in writing at the commencement of tuition that non-attendance, without exemption having been granted, constitutes failure in the paper, regardless of the rest of the assessment procedure.
- Paper coordinators shall advise students at the commencement of tuition which elements of the assessed course work will contribute towards the final grade for the paper, and which elements, if any, are compulsory. Unless otherwise stated all final exams are compulsory. Without exemption having been granted, failure to:
 - attend a compulsory exam, or;
 - submit a compulsory assessment element, or;
 - complete assessment components totalling 51% or more of the total assessment, or;
 - submit an Aegrotat application, constitutes failure in the paper, regardless of the rest of the assessment procedure.

Key to Grading System

Pass Grades

A+	1st Class Pass
A	
A-	
B+	2nd Class Pass
B	
B-	
C+	Pass
C	
Aeg	Aegrotat Pass
P	Ungraded Pass
R	Restricted Pass

Fail Grades

D	Fail
E	Low Fail
F	Ungraded Fail
DNC	Did Not Complete

Other Entries

WD	Withdrew without academic penalty
NF	Not finalised
CONT	Continuing enrolment

Re-marking of Assessed Course work

- Students who seek to have an assessed course work component re-marked should initially consult with the paper coordinator to clarify the feedback and/or the mark awarded. If the informal consultation does not address the student's concerns, then a formal application for re-marking may be made. Re-marking of course work is offered in exceptional circumstances only; the onus is on the student to justify the request to the chief examiner/Programme Director of their College. Re-marking will

normally be by a different marker, using the original copy together with the marker's comments. Cases based on calculation errors within the original marking of the course work should be forwarded directly to the paper coordinator and do not require a formal application.

For coursework to be eligible for re-marking it must:

- (a) be the original work submitted for assessment together with the marker's comments;
- (b) normally contribute at least 15% towards the final grade for the paper;
- (c) must have been formally-assessed only once previously;
- (d) be submitted with a College re-mark application within four weeks from the date of release of the original assessment result.

As a result of a re-mark, the grade for the course work could remain unchanged, or be amended upwards or downwards.

Students in named Doctoral degrees must refer to the Web Book for Doctoral Study for separate details of re-marking provisions as the above regulations do not apply to named Doctoral students. The Web Book is available on the University website at policyguide.massey.ac.nz

Final Examinations in Taught Papers

Time and Venue

1. The examinations conducted by the University shall be held at the places and times specified in the examination timetables published by authority of the Council.

Written Entry

2. (a) Students enrolled in an internal offering of a paper are not required to give notice in writing of intention to present themselves for examination.
 - (b) (i) Students enrolled in a distance (extramural) or block mode offering of a paper are required to elect the centre where they propose to sit their examinations (from the published list of centres) when completing the Enrolment Application.
 - (ii) When subsequently advising a change of address, it will be necessary to either confirm or amend the proposed examination centre. If relocating overseas, download and complete the change of final examination venue form located on the Administrative Forms web page.

Examination Procedure

3. The examinations shall consist of such written, oral and practical examinations as the examiners may determine.
4. Candidates shall write out answers to the questions in the presence of a supervisor, who shall be appointed or approved by or on behalf of the Council, and in accordance with such detailed instructions as may be furnished by the Council.
5. Candidates must comply with the Examination Rules, copies of which are available from the Assessment Manager, Student Administration, and from the University website.
6. No candidate shall communicate with an examiner in regard to an examination except through the Assessment Manager, Student Administration or through Massey Contact under delegated authority from the Assessment Manager, Student Administration.
7. Any candidate who has a permanent disability which could be considered to adversely affect performance under ordinary examination conditions must inform the Assessment Manager, Student Administration, at least two months prior to the commencement of the examination period and supply such documentary evidence as is required.
8. The examination scripts shall be transmitted to the examiners, who shall report the results for the paper to the Assessment Manager, Student Administration.
9. Assessments (including major tests) and examination scripts not routinely returned to students are retained by academic departments for a period of 12 months.

Re-marking of Final Examination Scripts

10. Any student may have their final examination script re-marked by the examiners, followed by a recalculation of the final grade where appropriate. Application must be made to the Assessment Manager, Student Administration; the following conditions must be met:

- (a) the examination must have been formally assessed only once previously;
- (b) no additional information from the student shall be placed before the examiners.
- (c) application must be made within four weeks from the release of the official results of final examinations;
- (d) payment of the prescribed fee must accompany the application.

As a result of a re-mark, the final grade could remain unchanged, or be amended upwards or downwards. The application fee will be refunded if there is a change of final grade.

Withholding of Grades

11. In exceptional circumstances, the University may withhold the award of a grade until the conclusion of the following semester to allow the student to complete an outstanding component of the paper regulations.

Aegrotat/Impaired Performance Consideration

12. Subject to these Regulations, students may apply for Aegrotat/ Impaired Performance consideration, in relation to compulsory learning experiences, assessment and examination activity where such activity is at a fixed time and place as defined in the Paper Guide.

Aegrotat/Impaired Performance Applications

- (a) May not be made for assessment or examination activity which is not at a fixed time and place as defined in the Paper Guide.
- (b) May not be made for an assessment or examination activity that constitutes less than 10% of the total assessment for a paper. An alternative arrangement may be offered at the University's discretion.
- (c) May not be made on the grounds of long term illness, long term injury, or disability or learning impairment unless successful completion of the learning experience, assessment or examination activity is compromised by a temporary acute episode of impairment, or at the onset of a long term condition where diagnosis or injury occurred after the date for withdrawal with a refund in the paper which is the subject of the application.
- (d) May not be made under these Regulations by Doctoral candidates or students enrolled in postgraduate theses, dissertations, research reports, or project papers. Students enrolled in postgraduate theses, dissertations, research reports, and project papers, are referred to the Carry Forward of Postgraduate Enrolment regulations; Doctoral candidates are referred to the Web Book for Doctoral Study.
- (e) Where made on the grounds of illness or injury must be accompanied by a certificate from a relevant approved health professional whereby the health professional must have assessed the student at the earliest practicable opportunity but no later than seven days from the date of the assessment or examination activity for which Aegrotat or Impaired Performance consideration is sought.
- (f) Where made on the grounds of critical personal circumstances other than illness or injury, must be accompanied by corroborative evidence of the circumstances and where relevant, followed by a certificate from a relevant approved health professional assessing the impact the critical personal circumstance had on the student's ability to successfully complete the learning experience, assessment or examination activity. The approved health professional must have assessed the student at the earliest practicable opportunity but no later than seven days from the date of the assessment or examination activity for which Aegrotat or Impaired Performance consideration is sought.
- (g) Must be made on a Aegrotat and Impaired Performance Application form completed by the student or (in circumstances where an illness, injury, or critical personal circumstance prevents them from doing so) by their authorised representative, and received by the Assessment Manager, Student Administration along with accompanying documents as specified under clause 12 (e) or (f) no later than 14 days after the assessment activity to which the Application relates, or as otherwise recommended by the Academic Standing Hearing Committee, together with the University fee prescribed (if any) for the Application.
- (h) A valid application will be submitted in the manner required, meet the conditions specified, and upon grounds that are acceptable to the University.

- (i) For the avoidance of doubt, an Aegrotat or Impaired Performance consideration will not result in a passing grade for a paper where the student has not completed all compulsory elements excepting the subject(s) of the Application(s), or where achievement of the learning outcomes has not been attained, or where the Academic Board or its delegate cannot be satisfied on reasonable grounds that the student would otherwise have passed the paper.

Aegrotat Consideration

- (j) Subject to clauses 12(a) to (i) above, students who have been prevented by illness, injury, or critical personal circumstances from presenting themselves at any compulsory learning experience, assessment or examination activity, where such activity is at a fixed time and place as defined in the Paper Guide, may apply for Aegrotat consideration.
- (k) Subject to clause 12(a) to (i) above, the Academic Board or its delegate, at its discretion may decide to award a grade or to require the student to complete the activity that is the subject of the application. The Academic Board or its delegate must have regard to the proportion and quality of the student's course work as completed, whether the learning outcomes have been attained, and any other concessions granted. Activities required to be undertaken in accordance with this regulation must be completed prior to the end of the enrolment period as specified by the end date for the paper that is the subject of the application, unless the conditions of Regulation 12(m) are met.
- (l) Grades that may be awarded following an Aegrotat consideration are: a letter grade, AEG pass, or DNC. A passing letter grade (i.e. A+ to C) may only be considered for award where 60% of the assessment value for a paper has been completed and all compulsory elements required under the paper outline, except the subject of the application, have been undertaken to a pass standard. An AEG pass may only be considered for award where 40% of the assessment value for a paper has been completed and all compulsory elements required under the paper outline, except the subject of the application, have been undertaken to a pass standard.
- (m) Under limited circumstances a NF (Not Finalised) may be recorded until such time as an equivalent learning experience or assessment activity takes place, which shall be no later than the next available offering of a paper. This option will apply where all compulsory elements, except the subject of the application, have been undertaken to a pass standard, and less than 40% of the total assessment of the paper has been completed by the student.
- (n) May only be appealed once in writing to the Academic Board or its delegate (normally the Chief Examiner of the relevant College) within 4 weeks of the release of the final grade for the paper.

Impaired Performance Consideration

- (o) Subject to clauses 12(a) to (i) above, students who consider that their performance in, or preparation for, any assessment or examination activity, where such activity is at a fixed time and place as defined in the Paper Guide, has been impaired due to illness, injury, or Critical Personal Circumstances may apply for Impaired Performance consideration.
- (p) Subject to clause 12(a) to (i) above, the Academic Board or its delegate, at its discretion may decide to alter a mark, and if so the quantum of the alteration, or not to alter a mark. The Academic Board or its delegate must have regard to the student's course work as completed, whether performance in the assessment is atypical compared to other assessments completed, and in relation to the overall class performance for the assessment completed, and any other concessions granted.
- (q) May only be appealed in accordance with the Re-Marking of Assessed Coursework or Remarking of Final Examination Scripts regulations.

Assignments and Examinations in Te Reo Māori

13. The Māori language is an official language of the University. Those considered to have the necessary level of competency may write assignments, tests, examinations, and text accompanying creative works, in Te Reo Māori, subject to approval and where the subject is considered to be appropriate. Those wishing to pursue this option should make application to the Assessment Manager, Student Administration, by 31

January for Semester One and Double Semester papers and by 16 June for Semester Two and Summer School papers.

Doctoral theses may be submitted in Te Reo Māori, English, or in both languages. The oral examination may also be conducted in Te Reo Māori. Candidates intending to submit their doctoral thesis in Te Reo Māori, or in a substantial combination of English and Te Reo Māori, must indicate this intention within two months of provisional registration. They should supply a letter from the AVC (Māori and Pasifika) or nominee, affirming that they have the required level of competency in Te Reo Māori, will be working in an area where the language is considered to be appropriate, and that supervisory expertise is available in the Māori language.

Examination – Research Papers

Research Reports, Dissertations and Masters Theses

14. (a) All research reports (up to 60 credits) shall be graded by two examiners, at least one of whom shall be independent of the research work, with external moderation undertaken in accordance with College policies.
- (b) At the discretion of the examiner(s), a candidate may be examined orally on the subject of the research report or dissertation.
- (c) At the discretion of the chief examiner, a failed research Report or Dissertation may be revised and re-submitted once and may be subject to re-examination. Following successful re-examination the candidate will not be eligible for Honours or Distinction.

Theses

15. (a) All Masters theses shall be graded by two examiners who are independent of the research work and one of whom is external to the University.
- (b) At the discretion of the examiner(s), a candidate may be examined orally on the subject of the Masters thesis.
- (c) At the discretion of the chief examiner, a failed Masters thesis may be revised and re-submitted once and may be subject to re-examination. Following successful re-examination the candidate will not be eligible for Honours or Distinction.
- (d) A candidate whose examination includes the presentation of a thesis (≥ 90 credits) shall have an approved supervisor/supervisors before commencing work on the research. A thesis may comprise a creative work and exegesis.
- (e) Before the thesis is forwarded to the examiners, the candidate, Supervisor and Head of Academic Unit shall certify that the thesis embodies original work carried out by the candidate under direct supervision.
- (f) For the purposes of the assessment of the Masters degree thesis a candidate shall be required to submit their thesis online or as otherwise agreed by the Chief Examiner.
- (g) For the purposes of the assessment of the Doctoral degree thesis a candidate shall be required to submit to the Graduate Research School (if located on Manawatū Campus), or to Massey Contact (if located on Albany or Wellington campuses), four securely-bound copies of the thesis. Students not located close to a campus can post or courier their theses to the Graduate Research School. Where the thesis is text-based, in part or in whole, a digital copy will also be lodged with the Graduate Research School or Massey contact at the time of submission.
- (h) Theses shall, unless the Librarian otherwise approves, conform with the format requirements as detailed in the current library handbook A Guide to the Presentation of Theses.
- (i) (i) The University may agree to accept a doctoral thesis solely in digital form, where the nature of the research is such that it is not appropriate for the thesis to be submitted in a printed form. Approval of the use of digital format in this way should be sought by the candidate at an early stage of enrolment in the thesis. Masters students whose thesis (or part of their thesis) is not appropriate for subsequent printing should also gain approval for the thesis (or part) to remain in digital form only.
- (ii) The University may agree to accept part of a doctoral thesis solely in digital form, where there are tables of data or other information that are effectively appendices to the thesis.
- (j) For Doctoral theses the candidate shall be given a receipt for the copies of the thesis by the Graduate Research School or the

relevant Massey Contact office. As soon as the assessment has been completed, and the final version approved, in the case of successful candidates, the candidate or the candidate's supervisor shall be responsible for submission to the Graduate Research School of two hard-bound copies and one digital copy of the thesis, unless otherwise stated in the course regulations. One hard copy and one digital copy shall be lodged in the Library that the digital copy will be lodged permanently in the University's digital research repository, with the hard copy being securely housed for archival purposes. The second hard-bound copy shall be returned to the Academic Unit.

- (k) For Masters theses, if the thesis has been accepted with no emendations, the student has finished. If emendations are required once the final version is approved, the supervisor shall be responsible for presenting a final digital copy of the thesis.
- (l) For the Doctoral theses the paper and the digital copies of the thesis must be accompanied by a declaration signed by the student stating that the paper and the digital copy are the same (subject to the provisions of subsections in (i)(ii)).

- (m) Copies destined for the Library will be fully catalogued, and in the case of the digital copy, metadata tags will be added. The print copy will be lodged permanently in secure facilities in the Library. The digital copy will be lodged permanently in the University's digital research repository. Unless the AVC (Research) has approved an embargo, the print and digital copies will be publicly accessible.
- (n) A thesis including parts of the thesis which were solely in digital form, will be publicly accessible through the University's digital research repository, unless embargoed. In the case of an embargo of the full digital copy, only the author, title, abstract and metadata will be publicly accessible through the University's digital research repository while the embargo remains in place.
- (o) University records of the examiner's assessment of the thesis shall be retained and disposed of in accordance with the University General Disposal Authority as required under the Public Records Act 2005. The student academic transcript shall be archived in accordance with the University General Disposal Authority as required under the Public Records Act 2005.

Student Grievance Procedures

Purpose

Massey University's Student Grievance Procedures are for all campuses and cover all modes of delivery of undergraduate and postgraduate programmes and related services. They are designed to ensure students receive a quality education and that relations between staff and students are equitable. The Procedures can be accessed from the University's Policy Guide at <http://policyguide.massey.ac.nz/>.

Objective

To foster the fair, speedy, and informal resolution of disputes at Massey University, and an academic culture which will prevent such grievances.

Definition

A Grievance means any grievance, which a student (whether or not that person has any other role within the university) has against the University and/or a staff member because of a claim that he/she has sustained academic disadvantage.

Such grievances may include but are not confined to:

- The unfair assessment of course work not governed by University assessment and examination regulations.
- An unfair refusal or failure of the staff member to make him/herself available to assist a student with difficulties regarding his/her course work.
- Unreasonable delays in the assessment of course work.
- Inadequate course materials.
- Inadequate teaching.
- Deficient performance of associated administrative services.

Jurisdiction

The Student Grievance Procedures are distinct from, and may not be used with respect to, any questions relating to the following rules, regulations, statutes or procedures of the University including:

- Cases of hardship – Vice-Chancellor's Powers.
- Disciplinary procedures.
- Harassment procedures.
- Final examination regulations.
- Enrolment regulations.
- Student fees.

Principles of Application

At all times the procedures will be carried out according to the following principles:

Protection of Persons

When a Grievance is taken to the University Grievance Committee all persons who may be affected shall have their rights protected. Persons who may need protection are:

1. The Complainant.
2. The Subject(s) of Complaint (Respondents).

3. Heads of Departments, Institutes and Schools.
4. Pro Vice-Chancellors (or their nominees) of Colleges.
5. Assistant Vice-Chancellors (or their nominees).
6. The University.
7. Student representatives.
8. Staff representatives.
9. The Chairperson of the Grievance Committee.

Statutory Protection

The affected persons are entitled to the protection provided by:

- The Official Information Act 1982
- The Local Government Official Information and Meetings Act 1987
- The Employment Relations Act 2000
- The Human Rights Act 1993
- The Privacy Act 1993
- Consumer Guarantees Act 1993
- The Protected Disclosures Act 2000
- Any other relevant statutes.

Due Dispatch

The rights of all affected persons are enhanced by a prompt investigation and resolution of the Grievance.

Due Process

The procedures will follow the principles of natural justice, namely:

1. Notice of any Grievance shall be given to the party/parties as soon as reasonably practicable (subject to consistency with "Time Limits" below).
2. Any persons directly adversely affected by a Grievance shall be adequately informed of the Grievance arising and be given an opportunity to respond.
3. The process for resolving the Grievance will be conducted fairly.
4. The avoidance of bias or conflict of interest.

Time Limits

A grievance should be brought to the attention of the University within one year of the occurrence or circumstances to which the grievance refers (Note that assessments (including major tests) and examination scripts not routinely returned to students should be retained by academic departments for a period of 12 months). Thereafter a grievance may be considered only with the consent of the Assistant Vice-Chancellor (Research, Academic and Enterprise). In deciding whether a grievance will be considered pursuant to Clause 9 of this Policy, the Assistant Vice-Chancellor (Research, Academic and Enterprise) will consider:

1. The seriousness of the alleged grievance;
2. The availability of relevant information including witnesses and documents;

3. The prejudice to any other parties; and
4. Any reasons for the delay in bringing the grievance to the attention of the University.

Procedures

Step 1 The student and/or their representative approaches the staff member concerned. If the approach is in writing the staff member should acknowledge the receipt of the complaint within 7 days. (Mediation preferred forum for resolution.)

↘ → University Disputes Advisor for referral to a Mediator agreed upon by the Parties.

Step 2 If no resolution, or Step 1 is inappropriate, complainant approaches Head of Department/School/Institute/Section or, where the Head is the respondent or there is no settlement of the Grievance, the Pro Vice-Chancellor of the College. (Mediation preferred forum for resolution.)

↘ → University Disputes Advisor

Step 3 If no resolution, complainant approaches Assistant Vice-Chancellor (Research, Academic and Enterprise) or their nominee who will, after consultation with the University Disputes Advisor, forward the matter to the Chair of the Academic Board who will initiate the convening of the University Grievance Committee.

↓

Step 4 University Grievance Committee decision, which is final and binding.

1. Students, whenever practicable, should in the first instance approach the University staff member concerned about any Grievance.
2. If the Grievance is unresolved with the staff member concerned, the student may approach the relevant Head of Department/School/Institute/Section, or where this is inappropriate, the relevant Pro Vice-Chancellor. It is anticipated that the vast majority of Grievances will be resolved at this stage. The preferred forum for grievance resolution is mediation.
3. In the absence of extraordinary circumstances, the presence of which will be determined (if necessary) by the Assistant Vice-Chancellor (Research, Academic and Enterprise), a complaint relating solely to the grade of a piece of course work will not proceed beyond the relevant Pro Vice-Chancellor.
4. The following may at any time request through the University Disputes Advisor the assistance of a University Mediator:
 - (a) complainant;
 - (b) staff member affected; or
 - (c) Head of Department/School/Institute/Section; or
 - (d) relevant Pro Vice-Chancellor (or their nominee).
5. If a Grievance is unresolved at the Pro Vice-Chancellor level, it may be referred to the Assistant Vice-Chancellor (Research, Academic and Enterprise). That step will not be taken unless and until the University Disputes Advisor has established that all reasonable steps to resolve the problem consensually have been attempted and exhausted. The Assistant Vice-Chancellor (Research, Academic and Enterprise) or their nominee will review the case, determine that all reasonable steps for resolution have been addressed, and then forward the case to the Chair of Academic Board who will convene the University Grievance Committee.
6. The University Grievance Committee will have the responsibility of enquiring into the subject matter of the grievance and determining the outcome of the complaint.

It may:

 - (a) conduct that inquiry (including the hearing of the respective cases of the student complainant and the staff member affected) in such manner as, consistent with the principles of natural justice, it thinks fit.
 - (b) receive such material relevant to the subject of the inquiry as it thinks fit;
 - (c) meet with the parties and any other persons considered able to assist the inquiry.

7. The University Grievance Committee may meet with the parties separately or together. However, any material relevant to the complaint received from one party in the absence of the other must be either:
 - (a) disclosed to the other party and an opportunity to comment given; or
 - (b) excluded from consideration.
8. Each party will have the right to have a support person present at any meeting with the University Grievance Committee.
9. The University Grievance Committee may delegate to and authorise its chairperson to carry out such aspects of its investigatory functions as it thinks fit.
10. The University Grievance Committee will, following the inquiry, prepare a report which will be issued to the parties and contain its decision on the complaint.
11. The decision of the University Grievance Committee will be final and binding. There will be no right of further appeal or review.
12. The proceedings of the University Grievance Committee shall be private, confidential and privileged.
13. Any student with a Grievance should try and keep notes of details, including times, dates, places and keep copies of any documentation related to the Grievance.

Notes to Procedures

1. Students may in the first instance approach their Student Association representative for support, advice and advocacy. Students may either act alone or be accompanied by a representative through all steps of these Grievance procedures.
2. The complainant should also specify the remedies sought to resolve the submitted Grievance.
 - (a) Outcomes arising from the procedures prior to the convening of the University Grievance Committee will be such as the parties may agree consensually.

These may include but are not confined to:

 - (i) a written or verbal apology;
 - (ii) opportunity to receive a second opinion on assessed work;
 - (iii) substitution of a higher mark;
 - (iv) opportunity to resubmit an assignment;
 - (v) initiation of a student feedback mechanism;
 - (vi) extensions of deadlines for assignment;
 - (vii) opportunity to resit an examination (subject to University regulations).
 - (b) If the Grievance comes for resolution to the University Grievance Committee it may make such decisions and give such directions as it thinks fit.
3. If not resolved at a lower level, the Grievance must be presented in writing to the Assistant Vice-Chancellor (Research, Academic and Enterprise). The documentation provided to the University Grievance Committee should contain the following information:
 - (a) the complainant's full home address, contact phone number and student ID number;
 - (b) where appropriate the title and number of the course, the name of the department or the name of the College in which the Grievance concerns;
 - (c) the nature of the Grievance including the specific academic disadvantage claimed;
 - (d) as many details regarding examples and instances of the Grievance as possible (e.g. dates, times);
 - (e) any other relevant information.
4. On receipt of the written complaint, the University Grievance Committee shall within 14 days:
 - (a) acknowledge the receipt of the complaint;
 - (b) inform the parties of their right to access a representative or other support person if they have not already done so;
 - (c) provide all relevant written documentation to the staff member(s) concerned for written response.

University Grievance Committee

Membership

1. The University Grievance Committee is a committee of Academic Board and shall consist of:
 - (a) an independent chairperson appointed by the Vice-Chancellor in accordance with Note (i), who shall have both a deliberative and casting vote;
 - (b) one staff member nominated by the Assistant Vice-Chancellor (Research, Academic and Enterprise);
 - (c) one member nominated by the appropriate student organisation.

Note:

- (i) The independent chairperson shall in any specific case be selected from a panel of not less than three persons (who shall not be current students or staff members) of appropriate standing, qualifications and experience, appointed by the Vice-Chancellor.
- (ii) Members of this panel shall be appointed annually by the Vice-Chancellor, upon the recommendation of the Chair of Academic

Board following consultation. Members shall be eligible for reappointment. The independent chairpersons shall sit in rotation.

(iii) Members of the University Grievance Committee shall operate independently and impartially and not as representatives of those responsible for appointing, nominating or electing them.

Powers

2. The Committee, subject to compliance with the principles of natural justice, shall:
 - (a) (i) determine the conduct of its own procedures; and
(ii) receive such information, as it considers relevant to the Grievance.
 - (b) receive and investigate Grievances at all Massey University campuses and through all modes of delivery of academic programmes;
 - (c) make decisions relating to Grievances;
 - (d) report annually to the Vice-Chancellor through Academic Board on the nature of Grievances and policy issues that have risen during the year.

ENROLMENT AT MASSEY UNIVERSITY

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Planning a Programme of Study

University programmes exist inside a regulatory framework with all degrees, diplomas and certificates having a set structure. Some programmes are tightly circumscribed in terms of the papers that must be included, while others offer a great deal of flexibility.

The University has a detailed set of Regulations for each qualification that specify the number of credits allotted to papers that must be selected. Typically there is a core area of specialisation (the major, subject, or the endorsement) as well as a number of associated papers that may be taken from other areas. When enrolling in a programme of study, students must keep in mind not only the number of credits but also the combination of credits and papers necessary to complete the requirements for their particular qualification.

There may also be requirements to be observed at a paper level, namely prerequisites (papers that must be completed to a defined standard before enrolment in another paper is confirmed), corequisites (papers that must be attempted in the same semester as another paper unless the corequisite paper has previously been passed) and restrictions (where papers are similar in content and therefore students may not count both papers to a qualification). Professional programmes will also have required practical components that must be met.

The Calendar remains the definitive document for all Qualification Regulations.

Students requiring assistance in planning their programmes of study should contact the University.

Semesters

The Massey University academic year is divided into distinct enrolment periods, which are Semester One, Semester Two and Summer School. Each semester consists of twelve teaching weeks and concludes with its own examination period. In addition, a longer enrolment period, the Double Semester, parallels Semesters One and Two with an examination period at the end of Semester Two. Summer School comprises the November–February period and includes some compressed offerings (generally January through February).

A winter break of three weeks is normally scheduled between the Semester One examination period and the start of Semester Two. Within Semester One, a two-week mid-semester break is linked to the Easter holiday break. Within Semester Two, there is a two-week mid-semester break.

Some programmes and papers do not conform to these standard semester periods. Professional programmes in particular may have a longer instructional year to accommodate practical requirements.

The Credits System

Every paper has a credit value that indicates its contribution to the qualification enrolled for (or to any other qualification to which that paper can contribute). These values have been derived on the basis of an equivalent full-time year for a degree being 120 credits.

The credit value also gives an indication of the total amount of time that a student might reasonably expect to have to spend on each paper in order to satisfactorily complete the assessment requirements (including lecturer and tutor contact hours, workshops and tutorials, tests and assignments, supervised practical placements, study time). Converted into a number of hours per week, this is referred to as the effective weekly hours for the paper.

The total hours required for the paper can be calculated at 15 weeks (the number per semester) with a total commitment of 10 effective hours per

week, or 150 effective hours per semester for a 15 credit paper. The effective weekly hours for a paper will depend on the number of weeks over which it is intended to spread the study programme during the year. The course outline provided for each paper should indicate the effective weekly hours and how these might typically be spent.

All undergraduate and taught postgraduate papers (with the exception of a small number of papers) have a 15 credit value or multiples thereof. Between 1999–2006 all undergraduate papers (apart from a small number of qualification-specific papers in the Colleges of Design, Fine Arts and Music, Education and Sciences) had a 12.5-point value. Papers passed in previous years will carry the points earned in those years, except in the College of Humanities and Social Sciences, where the papers passed in 1994 and prior years will all count at 15 points.

Enrolment Regulations

- Every applicant must complete enrolment formalities which include submission of an Enrolment Application, written acceptance of an Offer of Place [unless waived in writing by the University] and receipt of a Confirmation of Enrolment. Applicants who wish to study full-time ought to apply to enrol for 120 credits of study at the beginning of each year. Massey University has an on-line system for enrolment. A paper-based enrolment system will be used which comprises the same steps as the on-line system when the on-line system is inoperative for any reason or in other special circumstances as permitted by the Assistant Vice-Chancellor and Registrar.

Due Date for Enrolment Applications

- Generally, all applicants are expected to submit their Enrolment Applications so that they are received by the University on or before the due date. For most students the due dates for 2015 are:

For Papers in	New Applicants	Returning Students
Semester One/ Double Semester	Wednesday 3 December 2014	Wednesday 14 January 2015 (Domestic students) Wednesday 11 February 2015 (International students)
Semester Two	Friday 1 May 2015 (International Students) Wednesday 24 June 2015 (Domestic Students)	Wednesday 1 July 2015 (Domestic and International)
Summer School	Wednesday 28 October 2015	Wednesday 4 November 2015

Some qualifications require applicants to apply in advance of the standard due dates for selection and some papers do not follow standard semester dates. The relevant enrolment dates for these qualifications and/or papers are available from enrolment material on the University website or by contacting the University.

Doctoral candidates shall submit their Enrolment Applications within three weeks of the commencement date specified by the Doctoral Research Committee. Candidates will need to enrol for each successive year by accepting an Offer of Place and receiving a Confirmation of Enrolment. Details of fees will be available each year before enrolment is completed.

Final Dates

3. Addition or Substitution of Paper(s)

Enrolled students may, at the University's discretion, be permitted to add or substitute papers. If students also wish to apply for admission to a graduate or postgraduate level qualification they must apply by the dates given in Enrolment Regulation 2 or, for Doctoral students, by the dates in the Web Book for Doctoral Study.

Except where stated otherwise in programme material, any applications for adding or substituting papers must be received by the University no later than the dates below, which are the first Friday of the semester for internal papers, or Wednesday prior to semester start for distance (extramural) and block papers.

For information about withdrawal from papers see Enrolment Regulations 12–13. Dates for applying to add or substitute papers in 2015 are:

For Papers in	Adding a Paper in Distance (extramural) or Block Mode	Adding a Paper in Internal Mode
Semester One / Double Semester	Wednesday 18 February 2015	Friday 27 February 2015
Semester Two	Wednesday 8 July 2015	Friday 17 July 2015
Summer School	Wednesday 11 November 2015	Friday 20 November 2015

Note: Some papers do not follow standard semester dates and students seeking to add papers should refer to programme material, the University website or contact the University for due dates.

Limitation of Student Numbers

- The University Council (by its delegate) may limit the number of students enrolled in any programme each year because of insufficiency of staff, accommodation or equipment. Accordingly, where the number of applicants for the programme exceeds the number of places available, then Massey University will select from the applicants those students who may be enrolled in the programme each year.

Late Enrolment

- When the number of applicants exceeds the places available, applications received on or before the due date will be given priority over those received after the due date but before selection decisions are made.

Where Enrolment Applications are received after the due date, the University may, at its discretion, after a Late Enrolment Appeal process, consider approving a late enrolment. This will normally be no later than four weeks after Enrolment Applications are due and usually before selection decisions are made (if any).

Applicants may only submit a Late Enrolment Appeal when the Enrolment Application is received after the relevant due date, and where applicants have experienced exceptional personal circumstances or believe that refusal of enrolment will cause undue hardship or in other circumstances at the discretion of the University. Where relevant, the Late Enrolment Appeal application must be supported by evidence of the circumstances involved. When a Late Enrolment Appeal is made for a programme where numbers are limited, all applicants that were not selected are considered with the late application.

Even where exceptional circumstances exist, or refusal of enrolment will cause undue hardship, late enrolments will not be approved if, in the Assistant Vice-Chancellor and Registrar's view, they cannot be resourced adequately or in a timely manner.

Completion of Enrolment

- The University assesses the Enrolment Application in relation to its regulations, capacity to provide tuition and its other requirements. The University may approve only those parts of the application that can be assessed as complying with course regulations and otherwise meeting its requirements. Applications for enrolment normally proceed directly to an Offer of Place unless withdrawn by the applicants in writing or unless the approvals required from the University are not obtained.

Each applicant will be informed of the outcome of his or her Enrolment Application by either a written Offer of Place or, when the applicant does not meet University requirements, a response in writing. The Offer of Place will advise applicants of the programme(s) (qualification(s) and paper(s) (if any)) that they may study, the terms of their agreement with Massey University and provide instructions on how to respond. Applicants are required to submit to the University acceptance of the Offer of Place, and the University must receive it, by the due dates specified in the Offer of Place in the manner required, unless this requirement is waived or varied by written notice by the University. On accepting the Offer of Place, students agree to pay the tuition fees and non-tuition fees and agree to the terms of their enrolment.

The Offer of Place may be subject to conditions which conditions are inserted for the sole benefit of the University and may be waived by the University by written notice. When the University receives the acceptance of the Offer of Place, the University and the student have a contractual relationship. When the Offer of Place is subject to conditions those conditions must be satisfied or waived by the University, by written notice, or the contract is at an end. In some cases, after acceptance of the Offer of Place, students are required to select papers for their programme(s). Even when that selection is made the University may not permit the student to study the paper(s) selected but the University may require the student to select paper(s) that they can study.

A Confirmation of Enrolment is issued by the University to the student when the Offer of Place is unconditional or when there are no conditions to be satisfied. Within a short defined period following the acceptance of the Offer of Place by the student, the student may propose changes to the programme (eg. by adding or substituting papers). If the University agrees to the changes proposed by the student, any such changes are recorded. When a Confirmation of Enrolment has already been issued a new Confirmation of Enrolment is issued comprising a new enrolment agreement for the programme(s) listed on the Confirmation of Enrolment but otherwise on the terms and conditions already agreed. When a Confirmation of Enrolment has not already been issued, and if the University agrees, then a Confirmation of Enrolment will be issued comprising an enrolment agreement for the programme(s) listed on the Confirmation of Enrolment but otherwise on the terms and conditions already agreed.

The dates for Students to add or substitute papers are given in Enrolment Regulation 3. The dates and manner for students to withdraw from papers are given in Enrolment Regulations 12-13. When a student has received a Confirmation of Enrolment but then does not pay tuition fees or non-tuition fees, or does not meet the requisites for one or more papers, the University may, in writing, cancel that student's enrolment in a paper or programme at the University. Cancellation of enrolment means the person is still liable to pay the University tuition fees and non-tuition fees unless cancellation is during the period students are eligible for a tuition fees refund. If the University cancels a person's enrolment in all papers in an academic year, during the period students are eligible for a tuition fees refund, a withdrawal fee is payable.

Mixed Delivery Modes

- Applicants may apply to be enrolled simultaneously in papers offered in different delivery modes. Such applications are subject to the usual provisions of the General Regulations governing Matriculation, Enrolment and Examinations.
- In exceptional circumstances applicants may apply to be enrolled in the internal mode while not attending regularly scheduled classes on campus. All such applications are subject to approval of Academic Board (through the Pro Vice-Chancellor of the relevant College). In giving approval, the Pro Vice-Chancellor shall ascertain that appropriate arrangements have been made for tuition or supervision and for the provision of services required to enable the applicant to undertake the study with a reasonable likelihood of success. Except as set out in this Regulation, students must abide by the conditions applying to the particular mode in which each paper is offered.

Concurrent Programmes

- Students normally enrol for a single programme of study. With the approval of Academic Board (through the Pro Vice-Chancellor of the relevant College), it is possible to enrol concurrently in papers for credit to a second programme of study.

Concurrent Enrolment

10. Students who wish to be concurrently enrolled at Massey University and another New Zealand University must obtain prior approval of both institutions. Applications must be made in writing to the Pro Vice-Chancellor's office of the relevant College as well as the other institution.

Normally enrolment is for credit to a Massey University qualification. Students intending to complete a qualification from another New Zealand tertiary institution may apply to be enrolled in papers taught extramurally at Massey University for credit to the other institution's qualification.

Permission to credit specific papers to the qualification must be obtained from the institution offering the qualification. This permission can be sought at any time prior to enrolment. Enrolment by Massey University does not imply that papers will be credited by another institution to its qualifications.

Approval

11. The personal programme of every applicant shall require the approval of the Council of the University or its delegate. This is exercised as part of the administrative procedures at enrolment. Approval will normally be granted for courses that are in accordance with the programme regulations. Students' progress to completion will be assessed under the current year of regulations unless a transition pathway for the student is defined. For general provisions affecting their programme, students are referred to the General Regulations governing Matriculation, Enrolment and Examinations.

Students who propose to change from one programme to another ought to contact the University to determine which of the papers they have passed may be credited to the new programme before they submit Enrolment Applications. Students applying for loans and/or allowances should contact StudyLink to check their eligibility for assistance.

Enrolment in a programme at Massey University requires:

- (a) approval of admission to the qualification by the Council of the University (or its delegate) (this includes applicants not being of bad character, no misconduct, or breach of discipline and sufficient progress in study);
- (b) assurance from the relevant academic unit that the financial, human and physical resources relevant to the proposed programme are available; and
- (c) enrolment in papers that meet the academic requirements of the qualification.

Withdrawal

12. Withdrawals may only be notified by students using the online enrolment facility (MyEnrolment) accessible from the University website or, as an exception, by written notification of withdrawal. Doctoral students must advise the Graduate Research School of their intention to withdraw on the appropriate form. The date of withdrawal is deemed to be the date on which the notice of withdrawal is received by the University. All extramural students are required to return their study materials to the University.

13. When the University receives written notification of withdrawal from paper(s), comprising part but not all of a student's programme(s) for the year, before 10 percent of the study period has elapsed for the papers concerned (as defined by the paper start and end dates), the student will be eligible to receive a refund of tuition fees paid for the papers concerned and no academic penalty shall apply. Students will not receive a refund of non-tuition fees paid, and are still required to pay non-tuition fees, but non-tuition fees may be reduced subject to the number of credits remaining in the student's programme.

When the University receives written notification of withdrawal from paper(s), comprising all of a student's programme(s) for the year, before 10 percent of the study period has elapsed for all paper(s) (measured from paper start date), the student will be eligible to receive a refund of tuition fees and non-tuition fees paid and no academic penalty shall apply. A withdrawal fee is still payable and will be deducted from any refund.

When the University receives written notification of withdrawal from a paper(s) after 10 percent of the study period has elapsed but before 75 percent of the study period has elapsed for the paper(s) concerned (as defined by the paper start and end dates) the student shall be withdrawn without academic penalty but will remain liable to pay all University prescribed fees and will not be entitled to a refund.

When the University receives written notification of withdrawal from a paper(s) after 75 percent of the study period has elapsed for the paper(s) concerned (as defined by the paper start and end dates) the student shall be withdrawn with academic penalty and remain liable to pay all University prescribed fees and will not be entitled to a refund.

Students who do not attend a paper, where they have accepted an Offer of Place and where they have received a Confirmation of Enrolment, will be liable to pay all fees prescribed by the University and are not entitled to any tuition fee refund for that paper unless the correct withdrawal procedures are followed and unless the University receives notice of withdrawal before 10 percent of the study period has elapsed (as defined by the paper start and end dates).

14. Withdrawal after 75 percent of the study period is termed 'withdrawal with academic failure'. The academic record will therefore show DNC (Did Not Complete). Repeated DNC or academic failure in the same paper may result in the University refusing to enrol that person in the paper again. Refusal is notified to the student concerned in writing. Unless specifically notified of exclusion from the University, students remain eligible to apply to re-enrol in the future.

Fee Appeals

15. The University recognises that Exceptional Personal Circumstances may arise that make it impossible for a student to continue with his or her study. Where such circumstances arise after the date by which students may withdraw from study with a refund, the University may, at its sole discretion, consider alternative arrangements.

Whether a refund or partial refund is granted is determined by the University following the Fee Appeal process. Students are eligible to submit a Fee Appeal who have experienced exceptional personal circumstances, and have already withdrawn from the paper(s) in question prior to the examination, or as otherwise recommended by the Academic Standing Hearings Committee. Where relevant, the Fee Appeal application must be supported by documented evidence of the exceptional circumstances.

16. The University may, at its discretion, defer a student's study in a paper(s) from one period to another.

Carry Forward of Postgraduate Enrolment

17. (a) Postgraduate students enrolled in theses, dissertations, research reports, or project papers (other than for Doctoral degrees), may apply to carry forward their enrolment into the enrolment period immediately following the enrolment period where the student paid tuition fees in order to complete the requirements of a thesis, dissertation, research report, or project paper, where one of the following conditions applies:
- (i) Exceptional personal circumstances arise that prevent a student from completing the requirements of a thesis, dissertation, research report, or project paper within the relevant enrolment period.
 - (ii) Where a thesis, dissertation, research report, or project paper is being undertaken on a part-time basis and completion within the relevant enrolment period is not possible. The part-time classification must be established at enrolment.
 - (iii) Where the start date of the thesis, dissertation, research report, or project paper has been approved to be different from the start date of the first or only such paper. This does not apply to thesis papers of 90 or 120 credits.
 - (iv) Unanticipated problems with the conduct of research or with supervision or support which are beyond the control of the student.
- (b) Applications for Carry Forward of Postgraduate Enrolment with exceptional personal circumstances are subject to approval by the Pro Vice-Chancellor. No further tuition fees are due for the enrolment period in which Postgraduate Enrolment is carried forward. An application fee is payable at the time that the application is made. An application will only be approved where the Pro Vice-Chancellor is satisfied the student has been making satisfactory progress.

Enrolment of School Students

18. Notwithstanding Regulation 1 of the Matriculation Regulations, the University may grant students who are enrolled for full-time instruction in a secondary school permission to enrol in a paper or papers up to a maximum of 30 credits in an academic year, of which not more than 22.5 may be taken in a single semester. Students allowed to enrol in papers under this regulation must matriculate before they are formally admitted

to a university. When they have matriculated they may apply to credit to a qualification papers passed under this regulation.

Enrolment of International Students

19. Massey University has agreed to observe and be bound by the Code of Practice for the Pastoral Care of International Students published by the New Zealand Qualifications Authority. Copies of the Code are available on request or from the New Zealand Qualifications Authority website at <http://www.nzqa.govt.nz/providers-partners/caring-for-international-students/>
20. International students must have appropriate and current medical and travel insurance while studying in New Zealand.

Persons Resident Outside New Zealand Enrolling for Distance (Extramural) Study

21. (a) New Zealand citizens residing outside New Zealand are entitled to pay domestic fees provided they:
 - (i) are enrolled in a course(s) leading to the award of a recognised qualification offered by a New Zealand Tertiary Education Organisation (TEO);
 - (ii) are enrolled at a New Zealand campus of a New Zealand TEO.
- (b) New Zealand permanent residents and Australian citizens living outside New Zealand who are enrolled for tuition must pay fees at the rate for international students. A residency visa enables a person to be classified as a domestic student only while living in New Zealand. Obtaining a Returning Resident's Visa prior to leaving New Zealand entitles a person only to re-enter New Zealand and to be granted a Residence Visa on arrival; it does not influence the person's status while outside New Zealand. Therefore, for entitlement and fees payment purposes, the person's status remains as an international student.
22. Distance (extramural) enrolment may be permitted for applicants living outside New Zealand who are not New Zealand citizens. The process for setting tuition fees due for such enrolments are the same as for other international full fee-paying students studying at Massey University. Enrolment in international off-shore distance (extramural) programmes may be subject to special terms and conditions as determined and approved by Academic Board. Particular programmes of study and papers may have an attendance or contact course requirement which has a face-to-face dimension. Approval of offshore distance (extramural) education initiatives are subject to the requirements of the University's Policy Relating to the International Delivery of Qualifications.

Note: Enrolment by distance (extramural) education will not normally be approved for citizens of the People's Republic of China in order to ensure degree recognition. Any exception requires approval by the Pro Vice-Chancellor (or nominee) of the College responsible for the student's programme of study.

International Students Resident in New Zealand Enrolling for Distance (Extramural) Study

23. Restricted distance (extramural) enrolment may be permitted for students residing in New Zealand who are not citizens or permanent residents of New Zealand. Such students will be required to hold a Study Visa and will pay international student fees.

Note: Enrolment by distance (extramural) education for citizens of the People's Republic of China requires special approval in order to ensure

students are fully informed of issues related to degree recognition. Approval is granted by the Pro Vice-Chancellor (or delegate) of the College responsible for the programme.

Maximum Student Workload

24. Subject to the student's Academic Standing:
 - (a) The maximum credits students may take in Semester One, Semester Two and the Double Semester shall not exceed 150 credits. Students shall not enrol in more than 75 credits per semester. Students shall not enrol in more than 60 credits for Summer School Students shall not enrol in more than 180 credits in an academic year.
 - (b) Credits for double semester papers are assigned in equal parts per semester.
 - (c) Applicants shall not enrol in the same year for more than two distinct programmes of study for degrees and diplomas.

Certificate of Proficiency Regulations

1. An applicant who intends to register for tuition without fulfilling the requirements of a full programme leading to a Massey University qualification may be permitted to enrol for no more than 30 credits per year on a Certificate of Proficiency basis, unless applicants are International students attending the University under a Study Abroad or Student Exchange agreement in which case a higher workload may be required.
2. Except as permitted by the Enrolment of School Students regulation, applicants are required to satisfy Regulation 1 of the Matriculation Regulations.
3. Applicants for a Certificate of Proficiency shall pay fees, complete compulsory requirements and give notice of their intention to enter for examinations, where appropriate, as if they were proceeding to a degree, diploma or certificate. The Enrolment and Examination Regulations shall apply to such candidates.

Approval of Course

4. The personal course of study of every applicant for a Certificate of Proficiency shall require the approval of the Academic Board. Normally approval is exercised as part of the enrolment process.

Status of Certificate of Proficiency Pass

5. A student who has passed in a paper for a Certificate of Proficiency may at a later date have the paper credited towards a degree or diploma provided that the necessary conditions for the paper as a part of the degree or diploma were fulfilled at the time when the paper was passed for a Certificate of Proficiency.

Aligned Resource Management

In keeping with principles of sound management, Massey University wishes to ensure that it can adequately resource the programmes of study it offers. Accordingly, the University reserves the right under Section 224(5) of the Education Act (1989) to control the number of enrolments it will accept in any programme.

The number of places to be funded in any programme and the criteria for student selection will be available on application from Student Administration prior to each enrolment period. Every endeavour will be made to meet the academic needs of students where this does not prejudice the proper presentation or the academic standing of a programme.

Conferment and Graduation Regulations

1. Any person wishing to have a degree conferred or a diploma presented at the annual graduation ceremony must make application in the year of the ceremony not later than 1 February for Albany ceremonies, 1 March for ceremonies held in May at Manawatū and Wellington, and 1 September for the November ceremony in Manawatū. Applications should be submitted to the University on time; late applications will only be considered in exceptional circumstances.
2. Any person who has completed the qualifications for a degree, diploma or certificate, who does not wish to attend a graduation ceremony in person, may at any time apply to have the degree, diploma or certificate conferred 'in Council' at the next appropriate meeting of Academic Board.
3. The University may initiate the award of a qualification by issuing a notification to the student of the intent to award that qualification. The student has 30 days to respond to the notification of intent to award the qualification or they will be recommended for an award 'in Council' at the next opportunity.
4. Students who have met the requirements for a qualification for which they have not enrolled may be awarded that qualification. The qualification must be approved for teaching in the year in which they apply to graduate.

University Fee Regulations

Fees Payment Regulations

1. Tuition fees and non-tuition fees are subject to annual adjustment by the University Council and the student agrees to pay the tuition fees and non-tuition fees as set each year. Tuition and non-tuition fees are calculated on an academic year basis not by semester. Where a student's study spans two academic years, e.g. student enrolls for Semester Two and later enrolls for Semester One of the following academic year, the student will be liable for the tuition and non-tuition fees as set for each academic year.
2. All University fees are payable immediately upon the University issuing a Confirmation of Enrolment and before the start of study, or earlier if required by the University and specified in an Offer of Place. All monies received by the University are banked immediately for security reasons. Each student's fee account will remain in credit for any amount tendered in payment for University fees until their programme has received academic approval.
3. Unless otherwise advised in writing by the University, students must pay all University fees to the University directly and not to any recruitment agent or other party. For international transactions there may be a bank fee charged which is payable by the student.
4. Students who enrol at the same time for papers in more than one enrolment period (for example, Semester One and Semester Two) may, at the time of application to enrol in the first period, elect to defer payment of tuition fees for the later period (for example Semester Two).
5. Students who are paying all or part of their fees by direct credit through the Student Loans Scheme are not able to defer payment. Payment of University fees inclusive of tuition fees, non-tuition fees plus student association fees for the full year will be made on approval of their loan application. When student loans are declined in full or in part students are still required to pay all fees.
6. Enrolment may proceed in advance of receipt of fee payment in circumstances that:
 - (a) the fees due are to be paid from a student loan but if a student loan is not approved in full or in part then the student must pay the fees;
 - (b) the fees due are to be paid on behalf of the student by a sponsor. A sponsor is normally an employer or a training body, a government agency or a trust or Iwi authority. When the University fees are not paid by the specified due date on behalf of the student, the student must pay all University fees;
 - (c) the student would suffer unreasonable hardship by being required to pay fees before semester start date.

It is not possible to pay fees by deduction from Student Allowance payments.
7. Application to add papers after the original Enrolment Application has been lodged must be accompanied by the additional tuition fees estimated or determined to be due. If the student has accepted an Offer of Place and then wants to add papers or substitute papers, if the University agrees then a Confirmation of Enrolment will issue which will constitute a variation of the enrolment agreement and is deemed to be a new enrolment agreement.
8. Students who withdraw from a particular paper or all or part of their programme after the final withdrawal date for a tuition fee refund, shall remain liable for the fees assessed for the withdrawn paper(s).
9. Delivery of any services or teaching material does not, in itself, constitute an undertaking by the University that a student's enrolment for tuition will be continued if fee payment is not completed. The University may, at the University's option, cancel the student's enrolment if any of the University fees are not received. If cancellation occurs after the final withdrawal date for a refund then all University fees are payable.
10. Invoice/Fees Statements will be issued monthly to all students who have outstanding fees. When any fees are 60 days or more overdue the University may, at the University's option cancel the enrolment of the student or suspend the enrolment. Suspension means that students:
 - (a) no longer have access to certain University facilities;
 - (b) will not receive grades for papers;
 - (c) will not have access to their academic records;

- (d) may not re-enrol at Massey University until the fees due have been paid in full.

Cancellation means the person concerned is no longer a student at Massey University and has no right to engage in any papers and no privileges afforded to students. Even when enrolment is cancelled or suspended, all fees owing to the University must be paid.

11. Refund of tuition fees shall be made to students who withdraw in the manner required from their paper(s) before 10% of the study period has elapsed as defined by the paper start and end dates (see Enrolment Regulations). Students who withdraw from all of their study at Massey University within the time and in the manner required to obtain a tuition fees refund must pay a withdrawal fee. Commission paid by Massey University to agents for international students will be deducted from any refund in respect of the papers withdrawn from. Note that Doctoral students are subject to different fee refund provisions which are outlined in regulation 14 of these regulations.

When the University receives written notice from an international student residing in New Zealand that he or she has attained permanent residence in New Zealand or Australia, then, for any paper which has not been undertaken or less than 10 percent has been undertaken (measured from the paper start and end dates) at the date of receipt of the notice, the University will refund the student the difference between tuition fees received and the domestic tuition fees for the papers concerned. The University may require evidence of the change of status.

Refunds due for overpayment of fees or in the event of withdrawal with a refund of tuition fees are made as soon as possible once enrolments and financial support provisions have been established for a particular study period. In any case, where a specific request is made for a refund that has been approved, such refund will be made within 28 days. If the refund cannot be made a written statement shall be provided to the student as to why the refund cannot be made, together with a date by which the refund shall be made.

12. Massey University accepts no liability to pay interest or other consideration in respect of monies held in full or part payment of University fees and is not liable to the student or anyone else for exchange rate movement, conversion charges, bank fees, or fees paid to recruitment or immigration agents. This also includes charges incurred by students through Studylink.
13. Partial refunds are normally made directly to the student who is enrolled. Any sponsored student to whom a partial refund is made shall be responsible for reimbursing any other party (such as a sponsor or government agency) who has paid fees on their behalf. However, where practicable, partial refunds will be made direct to the government agency responsible for any fees paid where the University is party to such an agreement.

When international students withdraw from their programme of study at Massey University, in the manner required, before 10% of the study period has elapsed, and cannot provide evidence of a long term visa to remain in New Zealand, partial refunds will be made to a bank account in the student's home country, as nominated by the student. Where students withdraw from Massey University and enrol at another institution in New Zealand, partial refunds will be made directly to the relevant institution.

In the case of students who are deceased, partial refunds, where applicable, are made to the estate of the person concerned, care of the next of kin as notified to the University.

14. Where students are enrolled principally because of an agreement between Massey University and another entity the payment and refund of fees will be governed by that other agreement.

PhD Doctoral Students

15. (a) Fees for PhD candidates are due on initial enrolment and thereafter on the anniversary of their provisional registration of their enrolment date, having regard for any period of suspension of their studies.
 - (b) Candidates undertaking PhD programmes whether studying full-time or part-time, shall be charged the annual tuition fee in full for up to four years. Thereafter, no further tuition fee shall be charged unless the candidate extends their candidature beyond their official thesis submission date. See Clause 15(d).

- (c) Candidates undertaking Named Doctorate programmes are required to pay their course work, practicum, internship, tuition and thesis fees as required by each programme.
- (d) The following special provisions apply to all Doctoral candidates tuition fees during the year of Doctoral thesis submission, or for candidates who either withdraw from their programme or extend their candidature:
 - (i) for candidates who submit their thesis, or withdraw from their programme, within three months following the anniversary of provisional registration (adjusted for any period of suspension), the tuition fee for that year shall be refunded in full;
 - (ii) for candidates who submit their thesis, or withdraw from their programme, within six months following the anniversary of first enrolment (adjusted for any period of suspension), fifty percent of the tuition fee for that year will be rebated;
 - (iii) for candidates who submit their thesis, or withdraw from their programme, after six months following the anniversary of first enrolment (adjusted for any period of suspension), the full tuition fee for the year must be paid.
- (e) Candidates who have had their oral examination and are required to complete further work on their thesis and be re-examined, will be re-enrolled, and must pay the full tuition fee for the duration of the re-examination period until re-submission of the thesis. Provisions in clause 14(d) will apply from the date the candidate is notified of the required further work.

Postgraduate Students

16. (a) Masters students pay tuition fees for the actual credits/papers for which they are enrolled each year. Fees do not maximise at 1.0 EFTS (120 credits).
- (b) Unless otherwise arranged at the time of the enrolment, when theses, dissertations, research reports, or project papers are not submitted by the end date of the paper, the student must re-enrol for the next enrolment period and pay tuition fees.
- (c) In the case of a thesis paper, a one-month extension may be granted without penalty.
- (d) If a student qualifies for Carry Forward of Postgraduate Enrolment, they will be re-enrolled but are not required to pay fees.
- (e) These regulations do not apply to Doctoral students.

Fee Grandparenting Regulations for Full Fee-Paying Students

Council may at its discretion grandparent fees for full fee-paying students who enrolled in 2008 and earlier (students for whom the University receives no Government subsidy). Fee grandparenting means that tuition fees will be held at the same level as that set for the programme of study concerned at the time Council grandparents fees. Full fee-paying students who were enrolled in 2008 and earlier, and who enrolled at the time of grandparenting will therefore know the full extent of fee liability for a given period.

The following regulations will apply:

Duration

Fee grandparenting will apply for the lesser of the period set by Council or the relevant minimum period for completion of the programme of study

concerned as a full-time student. This period also applies to extramural and part-time students but on the basis such students are full-time students. In such cases where Council has at its discretion determined grandparenting will apply for the relevant number of years for completion of the programme of study, papers credited to a programme of study will be deducted from the relevant period for completion of the programme of study as a full-time student. For example if a student receives credits equivalent to the first year of study for a full-time student enrolled in a three-year programme of study, fees will be grandparented for two years.

Application of Grandparenting

1. Fee grandparenting will apply to tuition charges only, unless Council includes other separate charges at the time of fee grandparenting. For example some papers or programmes may have practicum charges or other sundry charges attached to them.
2. Fee grandparenting will not apply to Non-Tuition Fees (e.g. Enrolment Fee, Student Services Levy, Students Association Fees and other variable fees).

Student Eligibility

Fee grandparenting applies only if the student remains continuously enrolled in the programme of study the student was enrolled in at the time the Council grandparented the fees concerned. Grandparenting does not apply to students who change their programme of study. Grandparenting does not apply to students who first enrol in 2009 and in subsequent years.

Students' Association Fee Regulations

Students may elect to join a Student Association. Annual subscriptions, where required, can be paid directly to the Student Association at any time during the academic year.

Halls of Residence Fees Regulations

1. Resident students shall pay accommodation fees at the prescribed rates.
2. Accommodation Fees for each semester shall be paid as scheduled.
3. Any resident student whose accommodation fees are not paid by the due date may be debarred from residence unless special arrangement has been made with the Accommodation Services Office. A penalty fee shall be added to any outstanding accommodation fees, which will also jeopardise the receipt of University examination results and could result in debt collection proceedings being taken.
4. Any resident student intending to withdraw from study may also be required to withdraw from University accommodation. Application forms for release from University student accommodation are available from Accommodation Services.

Financial Support

Student Allowances and Loans are administered and paid by StudyLink. Student Allowances and Loans can be applied for online: www.studylink.govt.nz

Scholarships

Details on the scholarships available from Massey University are published on the Internet: <http://awards.massey.ac.nz/>

Further information is available from Massey Contact at each campus or telephone 0800 MASSEY.

2015 GLOSSARY OF TERMS

The terms listed in this glossary are commonly used in the University. The explanations and descriptions provided are general and brief. More fully-developed statements may be found elsewhere in the Massey University Calendar or can be provided by the Massey Contact Centre or the College concerned.

Academic Board	Established by Council and consisting of the institution's chief executive, and elected members of staff and students of the institution. It (a) advises Council on matters relating to courses of study or training, awards and other academic matters, and (b) exercises powers delegated to it by Council.	Calendar	The official University publication that outlines the primary statutes, rules, regulations, and definitions of the University, along with information about the University. The University Calendar is published annually and pertains to the stated academic year. For the current and archived Calendars refer to calendar.massey.ac.nz
Academic Year	An academic year at Massey University comprises two semesters – Semester One and Semester Two – and a Summer School. Where a course spans Semesters One and Two, this is referred to as Double Semester. Study within an academic year commences on the first Monday of Semester One and concludes at the end of the examinations at the end of Summer School. The starting date for semester one for most qualifications begins late February although some qualifications have earlier start dates. An individual student's course of study may involve study in any or all semesters in an academic year. For the purposes of the Education Act 1989 (Sections 203, 217, 220 and 226A), academic year means the period of 12 months commencing 1 January.	Carry Forward of Postgraduate Enrolment	The process that enables students undertaking a research degree, other than a doctoral degree, to carry forward their enrolment into the enrolment period immediately following that in which a full fee was paid. Special conditions apply.
Admission	The right to study at the University. Admission criteria and processes depend on the student's educational history and age and the programme specified. "Enrolment" means the student was, by implication, admitted to study at the University. Admission to the University, admission to a qualification, and enrolment in a course of study are separate processes however they may be conducted concurrently.	Certificate	Three different types exist: 1. Certificate: A qualification at the under-graduate or pre-degree level with a total value of not less than 60 credits that provides tertiary level study in a specific or general area of study. 2. Graduate Certificate: A qualification open to graduates or to those who have been able to demonstrate equivalent practical, professional or scholarly experience of an appropriate kind, comprising a coherent programme with a total value of not less than 60 credits, which includes the requirement that 45 credits or more of the papers or other work prescribed shall be at the 300-level or higher. 3. Postgraduate Certificate: A qualification that builds on attainment in the prior degree, open to graduates or those granted admission equivalent to a graduate on the basis of completed academic work, comprising a coherent programme with a total value of not less than 60 credits, which includes the requirement that the papers or other work prescribed shall be in advance of the 300-level.
Admission with Equivalent Status	Admission with Equivalent Status (AES) is an entry opportunity for candidates who wish to study for a degree, diploma, or certificate but do not have the entry qualification required. AES at Entrance level is required by students who are under age 20 and do not have the standard qualifications for entrance to a university in New Zealand. AES with graduate status to postgraduate qualifications is granted on the basis of completed academic work that substantially corresponds to course work in this University. Candidates may be granted 'AES with graduate status' to graduate qualifications on the basis of practical/professional experience equivalent to that of a graduate in an area relevant to the qualification. 'AES with graduate status' is only granted to the specific qualification considered, i.e. it is not transferable.	Challenge Examination/Assessment	An examination/assessment that students may be permitted to sit in order to demonstrate competence in a paper that they have not been enrolled in or studied at this University. Permission to sit is based on evidence of professional or other experience.
Aegrotat Consideration	A re-consideration of the outcome of an assessment or examination that may be made when a student, due to illness, injury, or Critical Personal Circumstances is unable to attend a compulsory learning experience, assessment or examination activity, where such activity is at a fixed time and place as defined in the Paper Guide.	College	Colleges are made up of academic units related by discipline that plan, direct and coordinate research and teaching. There are five colleges at Massey University: College of Business; College of Creative Arts; College of Health; College of Humanities and Social Sciences; and College of Sciences.
Approved Health Professional	Health professionals approved by Massey University include: Counsellors who are members of the New Zealand Association of Counsellors, Psychotherapists who are members of the New Zealand Association of Psychotherapists, Registered Dentists and Dental Specialists, Registered Medical Practitioners, Registered Nurses, Registered Midwives, Registered Physiotherapists, Registered Psychologists, Registered Specialist Medical Practitioners, Registered Social Workers or Social Workers who are members of the Aotearoa New Zealand Association of Social Workers, or are members of the overseas equivalent bodies to the preceding list, registered and with a current practicing certificate. Other health professionals may be approved by Massey University by its Academic Board or its delegate.	Combined Results Pass	A pass that is granted for a 'Part' or year cohort of papers within a qualification, where permitted under the Qualification Regulations. This type of pass allows a student to progress into the next 'Part'.
Assessment	The process of judging how effectively learning is occurring through a process of generating and collecting evidence of a student's attainment of knowledge and skills, and comparing that evidence against the assessment criteria.	Composite Major	Composite majors are available in the Bachelor of Communication degree only, and are a prescribed combination of papers from two majors in the degree.
Assessment Criteria	Statements that describe how student performance in relation to the stated learning outcomes will be recognised.	Confirmation of Enrolment	Confirmation provided to the student following receipt by the University of acceptance of an Offer of Place. The Confirmation of Enrolment is issued following an Enrolment Application and satisfaction of conditions and shows the qualification(s) and paper(s) for which the student is enrolled.
Bachelor's Degree	The qualification awarded to a person who has completed a university undergraduate degree.	Conjoint Degrees	Allows candidates to qualify for approved conjoint awards of two degrees. The most common conjoint programmes entail the completion of two undergraduate degrees by passing a reduced number of credits in combinations as specified in the qualification regulations.
Block Mode	University study undertaken either on-campus or at an off-campus location using a combination of class-based delivery, online learning, digital and print resources. Block papers involve intensive or focused contact over specific time periods during the year.		

Contact Course	<p>In-person Contact Course – A synchronous event, over one or several days' duration, in which distance students meet with academic staff and other students and participate in any of the following learning experiences: lectures, laboratory classes, workshops, tutorials, seminars, field trips, tests or similar. In-person contact courses usually occur during the mid-semester and mid-year breaks, at either a Massey University campus(es) or an approved alternative venue. Attendance at, and participation in, contact courses is recommended and in some cases may be compulsory.</p> <p>Online Contact Course(s) – A synchronous event, over one or several hours' duration, in which distance students meet online with academic staff and other students and participate in any of the following learning experiences: webinars, simulations, virtual laboratory classes, tutorials, virtual field-trips or similar. Online Contact Courses usually occur during semester at a specified time, and in some cases at regular scheduled times, using University approved and supported tools. Attendance at, and participation in, contact courses is recommended and in some cases may be compulsory.</p>
Core Paper	A compulsory paper that must be passed as part of a particular qualification.
Corequisite	A paper that must be completed in the same semester as another paper, unless the corequisite paper has already been passed or waived as a requirement due to prior completion of an equivalent paper.
Course of Study	The group of papers for which students are enrolled in an enrolment period or the set of related papers that a student must pass in order to satisfy the requirements of a particular qualification.
Credits	Certificate, diploma and degree programmes are defined in terms of credits. Every paper has a credit value associated with it that indicates its contribution to the qualification enrolled for. (Each paper's credit value applies to all qualifications to which that paper can contribute.) The standard undergraduate paper is 15 credits, except in some professional qualifications. (See 'Effective Weekly Hours'.)
Critical Personal Circumstances	<ol style="list-style-type: none"> 1. Unforeseen events beyond the student's control, which compromise ability to participate as normal in, or attend, or complete, learning experiences, assessment or examination activity. 2. Circumstances which have a profound effect beyond the regular functioning of the specific student, i.e. a temporary impairment. The effect will usually be in terms of ability to concentrate, to think clearly, or to be able to put aside strong emotion, resulting in an impairment of functioning significant enough to substantially impact on participation in academic activity.
Cross-credit	The term 'cross-credit' refers to credit granted on the basis of a completed qualification, at Massey University or elsewhere. Cross-credit also applies where a candidate completes the courses of study for two qualifications at the same time and wishes to credit one or more papers to both qualifications.
CUAP	Committee on University Academic Programmes. The Committee is a sub-committee of Universities New Zealand and has statutory standing as the Quality Assurance Body for New Zealand universities. One of its functions is to review and approve new qualifications, new specialisations within existing qualifications, and significant changes to existing programmes.
Current Year of Regulations	The regulations as outlined in the current University Calendar. Each time students enrol or re-enrol at the University, they will be enrolled under the regulations as outlined in the Calendar for that year.
Degree	A qualification awarded on the completion of a programme of study that meets requirements set down by the University and as approved by CUAP. Bachelor's, Bachelor's Honours, Master's, and Doctoral qualifications are all referred to as degrees.

Diploma	<p>Three different types exist:</p> <ol style="list-style-type: none"> 1. Diploma: A qualification at the under-graduate or pre-degree level with a total value of not less than 120 credits that can build on defined prior qualifications or experience. 2. Graduate Diploma: A qualification open to graduates or to those who have been able to demonstrate equivalent practical, professional or scholarly experience of an appropriate kind, comprising a coherent programme with a total value of not less than 120 credits, which includes the requirement that 75 credits or more of the papers or other work prescribed shall be at the 300-level or higher. 3. Postgraduate Diploma: A qualification that builds on attainment in the prior degree, open to graduates or those granted admission equivalent to a graduate on the basis of completed academic work, comprising a coherent programme with a total value of not less than 120 credits, which includes the requirement that the papers or other work prescribed shall be in advance of the 300-level.
Diplomate	A person who has met the University's requirements and has been awarded a diploma.
Discipline	A branch of knowledge which is researched and taught at the University.
Dissertation	A detailed examination of a specific topic, which may include aspects of original research, problem investigation, and/or study of pre-existing data or published literature. Work leading to a dissertation typically includes minor data collection, validation, and analysis, as well as writing an original document. Dissertations are typically 30–60 credits.
Distance (Extramural) Mode	University study undertaken off-campus using digital and/or print resources. Distance papers may involve opportunities for face-to-face contact, online learning and assessment, and/or assessment through examination either on-campus or at an off-campus location.
Distinction	An award recognising academic excellence in some undergraduate, graduate and postgraduate qualifications.
Doctoral Degree	This is the most advanced postgraduate qualification, including the Doctor of Philosophy degree (PhD); it requires the completion of a research thesis or creative work and exegesis that makes an original contribution to new knowledge. Named doctorates (e.g. Doctor of Business and Administration or DBA, the Doctor of Education or EdD and the Doctor of Clinical Psychology or DCLinPsych) also require completion of a research thesis as well as specified course work. Normally a minimum of three years of full-time study is required for a doctoral degree.
Doctoral Web Book	A web publication outlining the guidelines and regulations pertaining to Doctoral study at Massey University. This publication supersedes the previous publication, Handbook for Doctoral Study – commonly referred to as the Doctoral Handbook.
Doctoral Research Committee	The University committee that has overall responsibility for managing doctoral studies. It oversees the programme and monitors the progress of each individual candidate from the time of initial registration through examination and completion. The Doctoral Research Committee (DRC) will also make recommendations to Academic Committee and advise Academic Board on academic matters relating to postgraduate qualifications.
Effective Weekly Hours	The value of a paper in credits gives an indication of the total amount of time (including lecturer and tutor contact hours, workshops and tutorials, tests and assignments, supervised practical placements, study time) required to complete a paper. Converted into a number of hours per week, this is referred to as the effective weekly hours for the paper. For a standard undergraduate (15 credit) single semester paper, a commitment of about 10–12.5 hours of study time per week might reasonably be expected. For a standard undergraduate (15 credit) double semester paper, a commitment of about 5–6.25 hours of study time per week might reasonably be expected.
EFTS	Equivalent Full-Time Student. Used as a measure of the size of a programme of study and the papers of which it is comprised. 1.0 EFTS equates to one full-time year of study or 120 credits. The tuition fees for a paper are based on its EFTS value and funding category.
Elective Papers	Non-compulsory papers chosen by students (with certain guidelines usually provided). Elective papers contribute to the qualification, but not to the specialisation(s).

Endorsement	An academic discipline such as economics, anthropology, physics, offered through papers at various levels which are taken at undergraduate diploma, or graduate or postgraduate diploma or certificate level, through a combination of prescribed papers in a specific discipline that comprises most or all of the qualification requirements within the regulations for that qualification. An endorsement will normally appear printed on the graduation scroll and on the student transcript.
Enrolment	Having satisfied the requirements for admission following an Enrolment Application, the becoming or continuing to be a student of the University by the University receiving acceptance of an Offer of Place and by the University issuing a Confirmation of Enrolment for a programme at the University. "Enrolment" also means the student was, by implication, admitted to study at the University whether admission was subject to a different application or following the Enrolment Application.
Enrolment Application	The online or paper-based application to study a programme at Massey University irrespective of whether the application is called an Enrolment Application or not and by implication includes an application for admission, whether that is a separate application or not.
Enrolment Period	The period during which particular papers are offered. For example, in 2014 Semester One is coded as enrolment period 1401, Semester Two is coded as enrolment period 1402, Summer School is coded as enrolment period 1403 and Double Semester is coded as enrolment period 1412, spanning Semesters One and Two.
Equivalence	Equivalence, in relation to each offering of a paper in a single Semester, is defined as the means by which equity and parity of the student learning experience and outcomes is achieved.
Examination	A formal requirement normally held at the end of a course or at completion of a thesis that consists of such written, oral and practical questions as the examiner(s) for a paper or thesis may determine. These questions are set to assess candidates' knowledge, skills and understandings. The results of the examination will form part of the final grade for the paper.
Exegesis	A critical explanation accompanying a creative work that, together with other specified elements such as a presentation or exhibition, may comprise the requirements of a thesis.
Exceptional Personal Circumstances	"Exceptional Personal Circumstances" means any extraordinary personal circumstances (supported by corroborative evidence) that have not been the subject of an Aegrotat and Impaired Performance Application or Fee Appeal.
Exclusion	(a) The cancellation of a person's enrolment at Massey University, or in a paper or programme when during that person's enrolment it becomes evident that any of the Massey University Unsatisfactory Academic Progress regulations apply; or (b) if any person is not enrolled and any of the clauses in the Massey University Unsatisfactory Academic Progress regulations apply, then exclusion means the refusal to enrol the person concerned in the paper(s) or qualification(s) or College(s) or at this University as the case may be.
Exemption	A Personal Variation to Regulations permitting a student to replace a compulsory paper with an alternative paper. The attributes of the replacement paper are defined at the time of granting the Personal Variation.
EXMSS	Massey Extramural Students' Society. (See Students' Associations.)
External Examiner	A highly-qualified person with specialist knowledge, not employed by the University, who is appointed by the University to examine and grade a post-graduate thesis/research project or final under-graduate assessment.
Fee Appeal	A Fee Appeal can be made when a student, due to Exceptional Personal Circumstances occurring after the final date for withdrawal without financial penalty, is unable to continue his or her study.
Field Trip	A visit to an off-campus location to view and investigate an activity or site that is not available on campus. There may be an item of internal assessment associated with the visit.

Fixed Time and Place	Compulsory Learning Experiences, Assessments and Examinations are considered to be of a Fixed Time and Place when the date and the location are specified and the activity cannot easily or practicably be replicated. This may include activities such as invigilated examinations and compulsory field trips, but will not include assignments and coursework where a due date is specified, or assessment activities where there is an element of choice as to the assessment or combination of assessments completed.
Full-time Study	Normally the status that applies to students who are enrolled in 0.8 EFT of a full-time workload of 120 credits. This equates to enrolment in 105 credits or more in one academic year, with part-time study defined as enrolment in 90 credits or less. Other definitions apply in specific circumstances, e.g. for StudyLink purposes enrolment in 96 or more credits in one academic year, 48 or more credits in one semester, or 36 credits or more in Summer School, meets the criteria for full-time study. Immigration New Zealand defines full-time as three papers per semester for the purposes of obtaining a student visa. Specific programmes may prescribe a full-time course load of 120 credits per year or 60 credits per semester.
Grade	A code, often a letter, given to describe the level of achievement. The possible grades are – Pass Grades: A+, A, A- First Class Pass B+, B, B- Second Class Pass C+, C Pass AEG Aegrotat Pass P Ungraded Pass R Restricted Pass (A restricted pass 'R' enables the paper to be credited towards a qualification in which 'R' passes are permitted but does not qualify as a pass for prerequisite or corequisite purposes.) Fail Grades: D Fail E Low Fail F Ungraded Fail DNC Did Not Complete (A DNC grade is awarded to candidates who withdraw from a paper after the final date for withdrawing without academic penalty, or who fail to complete all compulsory elements, or who fail to complete assessment components totalling 51 percent or more of the total assessment, or whose aegrotat application is unsuccessful.) Other Entries: WD Withdrew without academic penalty NF Not Finalised CONT Continuing Enrolment The # symbol on student result slips beside a grade result indicates confirmation that an aegrotat or impaired performance application was received and considered when the grade result was awarded.
Graduand	A person who has completed the University's requirements for a degree but has not yet had the degree conferred.
Graduate	A person who has met the University's requirements and has been conferred (awarded) a degree.
Graduate Diploma	See under 'Diploma'.
Graduate Profile	A statement of the intended capabilities of graduates from a particular qualification and/or specialisation. The profile includes descriptions of the generic and specific attributes that graduates are expected to possess including the body of knowledge attained.
Group Project	An assessment item in which students have been given approval to, or are required to, collaborate to produce evidence of their learning. Assessment judgements may apply to the whole group; individual contributions can also be judged separately.
HOD/HOI/HOS	Head of Department/Institute/School, i.e. the academic units within the five Colleges.
Honours	An award for academic excellence in eligible degree qualifications.

Honours Degree	Honours degrees are postgraduate qualifications comprising an additional year of study beyond the bachelor's degree in the discipline. Entry to an Honours degree requires prior high academic performance in undergraduate degree study, and students selected for an Honours degree may enrol in the postgraduate degree after completing the undergraduate degree. Completion of the Honours degree may qualify the graduate for doctoral study if achieved at the appropriate level.
Impaired Performance Consideration	A re-consideration of the outcome of an assessment or examination that may be made when a student's performance in, or preparation for, any compulsory learning experience, assessment or examination activity has been impaired due to illness, injury, or Critical Personal Circumstances, and where such learning experience, assessment or examination activity is at a fixed time and place as defined in the Paper Guide.
Internal Mode	University study undertaken on-campus via regularly scheduled face-to-face classes which may also involve online learning and the use of digital and print resources.
Invigilate	To supervise candidates during an examination.
Laboratory Class	A period of tuition during which students conduct experiments or practical exercises in a supervised environment.
Learning Experiences	Academic activities which include but are not limited to, lectures, laboratory classes, workshops, tutorials, seminars, field trips, studios, webinars, simulations, practicum, placements, internships, self-directed learning, etc. Successful completion of some learning experiences may be compulsory for mastery of the paper and its learning outcomes.
Learning Outcomes	Statements of the knowledge, skills and attitudes that students are expected to demonstrate as a result of successfully completing a course of learning. Learning outcomes are usually stated in terms of observable and/or measurable behaviour.
Lecture	An oral presentation of selected content of a paper, usually delivered in a specific block of time.
Level of Papers	The level of a paper indicates how advanced the content and learning outcomes of a paper is. Most undergraduate degrees consist of 100-, 200- and 300-level papers in which 100-level papers are taught in the first year, 200-level papers build upon these in second year and 300-level papers may be studied once 200-level papers are successfully completed. Some longer degrees require additional papers to be completed, e.g. Bachelor of Social Work to 400-level and Bachelor of Veterinary Science to 500-level. Postgraduate papers are taught at 700-, 800- and 900-levels.
Limitation on Enrolment	A restriction on the number of students who can enrol in any given paper, paper offering or programme.
Linked Papers (L)	A pair of related papers, both of which must be passed in order to obtain credit. Linked papers are marked in the Degree Schedules.
Location	The campus or other designation for the site of a paper offering.
Major	A substantial component of an undergraduate degree (at least one-quarter and often consisting of one discipline area only) selected by the student in accordance with the regulations as the principal area of study for the degree. Where a degree allows both a major and a minor, the major and minor should be from different discipline areas. A major will normally appear on the graduation scroll and on the student transcript.
Master's Degree	A postgraduate degree awarded for advanced study that normally builds on the principal discipline area(s) of a qualifying undergraduate degree. Master's degrees normally comprise 240 credits beyond a Bachelor's degree or 120 credits beyond a Bachelor's Honours Degree, Postgraduate Diploma, or significant relevant professional experience. Master's degrees may comprise 180 credits where the Bachelor's degree is completed at a specified level of attainment. A Master's by coursework and thesis will include a thesis or creative work and exegesis, whereas a Master's by coursework will include a research report, creative or scholarly work, as a defining feature. A Master's by thesis will primarily comprise a thesis or creative work and exegesis.

Matriculated	The status of a candidate who earns the right to commence undergraduate study at university through meeting the prescribed requirements for entrance on the basis of the National Certificate in Educational Achievement (NCEA) Level 3, or for students who completed prior to 2004, the New Zealand University Entrance, Bursaries and Scholarships Examination.
Mentor	A person, usually a staff member or senior student, available to students to support their participation in the University.
Merit	An award recognising academic achievement in some undergraduate, graduate and postgraduate qualifications.
Minor	A component of an undergraduate degree (usually a minimum of 60 credits with at least 45 credits above 100-level and at least 15 credits at 300-level, and often consisting of one discipline area only) selected by the student in accordance with the regulations as the secondary area of study for the degree. Where a degree allows both a major and a minor, the major and minor should be from different discipline areas. A minor will normally appear on the student transcript but not on the graduation scroll.
Mixed Delivery Mode Student	A student who is enrolled in a course of study which includes papers which are delivered by different modes.
Mode	Communicates the method of delivery that students are expected to engage with which may be internal, distance (extramural) or block.
Moderation of Assessment	The process of establishing comparability of standards between assessors to ensure the validity, reliability, and practicality of an assessment. Moderation can also occur in relation to the assessment design pre- and post-implementation.
MOST	Massey On-line Survey Tool – the University's on-line survey tool for course and teacher evaluation.
Non Tuition Fees	Various fees that are payable in addition to the tuition fees and sundry fees for each paper.
Not Finalised	A place-marker used when a grade result for an assessment of performance in a paper is not finalised. It does not qualify as a grade for any purpose.
Offer of Place	An Offer of Place may be issued by the University in response to an Enrolment Application. If the candidate accepts the Offer of Place, and gives the University notice of acceptance in the manner required, a contract is formed with the University. That contract may be subject to conditions which must be fulfilled by the student or waived by the University. A Confirmation of Enrolment is issued by the University when that contract is unconditional. Offers of Place may specify papers or may only specify the qualification.
Online Enrolment	Massey University's interactive on-line enrolment service that provides intending and previously-enrolled students with the ability to submit Enrolment Applications and accept Offers of Place using the web, with direct access to the services and information that support enrolment decisions.
Online Learning Category	Communicates the online learning requirements associated with a paper offering and provides information about the printing and supply of study resources. Information about the categories is communicated to students at enrolment and is available on the University website.
PaCE	An acronym for Massey University's centre for Professional and Continuing Education. PaCE offers quality assured professional programmes, programmes that prepare students for degree-level study, and English language programmes for students for whom English is a second or additional language.
Paper	A module of work in a particular discipline that is identified by means of a unique code number and delivered by means of lectures, tutorials, seminars, practica, studios or via other learning experiences. If in distance mode delivery may be by correspondence or electronic means. The length of a paper is generally one or two semesters or as otherwise specified by the start and end dates. In appropriate combinations papers fulfil programme of study requirements and thus contribute to qualifications. Each paper carries its own credit value.
Paper Code	Each Massey University paper has a six-figure code to distinguish its discipline, level and identity, e.g. 150.214 where '150' denotes Māori Studies, the '2' shows it is a 200-level paper and the final two digits ('14') identify the paper at that level.

Paper Coordinator	An academic staff member responsible for the day-to-day administration of a paper.
Paper Guide	A study resource to provide enrolled students with sufficient detail regarding the requirements to pass the paper successfully.
Paper Offering	A paper at a particular campus location in a given semester and delivered either internally, by distance or by block mode.
Paper Outline/ Paper Description	A study resource available to all students to help them make good enrolment choices.
Part/Examination	A fixed year of study consisting of a set of interrelating papers as defined within the Qualification Regulations.
PHOD/PHOI/PHOS/ PPD	Permission of Head of Department, Institute, School or Programme (qualification).
Points	Certificate, diploma and degree programmes were defined in terms of points prior to 2007. Every paper had a point value associated with it that indicated its contribution to the qualification enrolled for. (Each paper's point value applied to all qualifications to which that paper could contribute.) The standard undergraduate paper was 12.5 points, except in some professional qualifications. Credits replaced points from 2007, when the standard undergraduate paper became 15 credits, except in some professional qualifications.
Postgraduate Diploma	See under 'Diploma'.
Postgraduate Study	Involves study at either 700-, 800- or 900-level, (Levels 8, 9 and 10 on the New Zealand Qualifications Framework) or a combination of these levels, normally for an honours degree, master's degree or doctoral degree, a postgraduate certificate or a post-graduate diploma. Normally undertaken when a Bachelor's degree has been completed.
Practical Work Requirements	Relevant practical work other than laboratories, field or computer work, specified in the requirements for a paper that is required for the particular qualification to be awarded. In some programmes this is undertaken during University holidays.
Practicum	Assessed practical work that may be undertaken outside the University and/or the academic year.
Prerequisite	A paper that must be completed to a defined standard before a student's enrolment in another paper is confirmed. For this purpose the minimum grade required is a C, except where a different grade is specified in the Schedule for the qualification; e.g. P(B) means that the minimum grade that satisfies the requirement is B.
Prescription	A brief statement of the material taught in a paper.
Presentation	A prepared performance, demonstration or exhibition, usually given to a group.
Programme Director	Responsible for all academic matters relating to an individual qualification in the College of Sciences, including selected student-related matters and regulatory matters.
Programme	A programme of study or training leading to a qualification listed on the Qualification Framework. Where the context requires in the University regulations, rules and other documents, "programme" includes course, course of study or training, programme of study and qualification.
Pro-Vice Chancellor	The executive manager and academic leader of a College.
Qualification	An official award given in recognition of the successful completion of a programme of study.
Qualification Regulations	The academic requirements for enrolment in papers, and completion of a qualification.
Quality Assurance	The setting of sector and university standards through documented policies and procedures that enable adherence to the stated quality standards to be assessed. In New Zealand, University qualifications are quality assured by the Committee on University Academic Programmes (CUAP) that are benchmarked across the university sector and evaluated by peer review. In a similar way, quality assured teaching and learning components must reflect agreed standards and review processes supported by documented evidence.

Recognition of Prior Learning	The term given to granting of credit on the basis of formal (see Cross-credit and Transfer of Credit) and informal learning. Credit on the basis of informal learning is assessed by a portfolio of supporting material or by the use of a challenge examination.
Research Report	A written research component that may contribute up to 60 credits of a postgraduate qualification.
Restriction	Some papers, similar in content, are restricted against each other. Therefore students may not credit both papers to a qualification.
Rules	Rules include Statutes and Regulations made under Section 194 of the Education Act 1989, and those University policies, procedures, guidelines and other documents that the University Registrar deems to be rules of the University.
Schedule of Papers	A listing of the papers prescribed or allowed for a qualification, including any prerequisites, corequisites, and restrictions.
Semester	A prescribed period of the academic year during which a paper is taught and completed. A single semester normally comprises 13 weeks of teaching followed by final assessment where appropriate.
Seminar	An oral presentation on a specific topic. The discussion may include a contribution from staff. Where the presentation is by a student, the seminar may form part of the internal assessment of a paper.
Specialisation	The collective term covering majors, minors, subjects and endorsements in a specific discipline for a qualification.
Stream	Stream is Massey University's online learning environment. Most papers are supported or enhanced by this environment, which includes features such as discussion boards, online quizzes, digital study resources, and more. Students should be able to access Stream at least two weeks before the start of semester.
Student	For the purposes of the Regulations, an applicant becomes a student if the University receives acceptance of any Offer of Place, although he or she will not be enrolled until the University issues a Confirmation of Enrolment.
Student Administration	The staff group responsible for the organisation of many university student services; for example, enrolments management, production of teaching material, graduation, distance assignment management, and examinations.
Student Allowance	A benefit paid for living expenses to some full-time students by StudyLink. Entitlement depends on factors including, but not limited to, a student's age, income and, if applicable, parental income.
Students' Associations	ASA – Albany Students' Association Inc. EXMSS – Extramural Students' Society Inc. MAWSA - Massey at Wellington Students' Association Manawatahi – Massey University Māori Students' Association Palmerston North MUSA – Massey University Students' Association of Palmerston North Inc. MUSAF – Federation of Massey University Students' Associations MUCESA – Massey University College of Education Students' Association Te Waka O Ngā Akonga Māori – Albany Māori Students' Association
Student Contract	The legally-binding contract entered into between the University and the student.
Student Loan Scheme	A government scheme available to students who are New Zealand citizens and to qualifying Permanent Residents living in New Zealand. Other eligibility criteria apply.
Study Resources	Teaching and Learning materials provided by the University to facilitate student learning, including, for example, the Paper Description, Paper Guide, and other resources. Resources may be fully digital or in a printed format or a combination of both.
Subject	An academic discipline such as economics, anthropology or physics, offered through papers at various levels which are taken at Bachelor (Honours) or Master's level, through a combination of prescribed papers in a specific discipline that comprises most or all of the qualification requirements within the regulations for that qualification. A subject will normally appear printed on the graduation scroll and on the student transcript.

Summer School	A period during the summer over which papers and short courses are offered by the University, which is shorter in length than a normal semester. Some Summer School papers are delivered over the full mid-November to mid-February period, and other papers are delivered over a shorter time span.
Thesis	A written research component of a postgraduate qualification having a value of .75 EFTS (90 credits) or more. A thesis may comprise a creative work and exegesis.
Transfer of Credit	Credit may be transferred from an incomplete qualification at Massey University or another tertiary institution. Application for transfer of credit is a statement that the candidate does not intend to complete the original qualification at a later date.
Transitional Provisions	Provisions applying to students affected by new regulations for a qualification coming into effect partway through their programme of study towards the qualification. Transitional provisions are specific to a qualification and are included in the Qualification Regulations in the Calendar.
Tuition Fees	Fees that relate to a student's programme (qualification or papers). Tuition fees include fees charged for papers and component fees such as field trips and materials.
Tutorial	Usually a period of instruction for a small group of up to about 20 students during which the academic content of a paper is discussed with a tutor.
Undergraduate	Before graduation, e.g. an undergraduate student, is someone who has yet to complete the requirements of a Bachelor's degree.
Waiver to Paper Rules	A Personal Variation permitting a student to enrol in a paper without meeting the prerequisite, corequisite or other general requirement which would otherwise prevent approval into that paper. A waiver does not contribute to the total credit needed for the completion of a qualification.

PRESCRIPTIONS AND SCHEDULE OF PAPERS

The following is an alphabetical listing of paper subject areas, and pages where they appear.

Subject area	Page(s)	Subject area	Page(s)	Subject area	Page(s)
Accountancy	378, 381	English Language Studies	457	Nutritional Science	419
Adult Education	514	English Language Teaching	503	Philosophy	401
Agribusiness	379, 496	Environmental Education	516	Photography	477
AgriCommerce	495	Environmental Science	392	Physical Education and Health	490, 491, 515
Agricultural and Horticultural Systems Management	379, 390	Equine	523	Physics	394, 395
Agricultural Engineering	404, 484, 485, 519	Ergonomics	398	Physiology	460
Agriculture and Horticulture	385, 389, 390, 391	Fashion Design	469	Plant Biology	391
Agriculture / Horticulture Plants	391, 441, 521, 522, 526	Finance	382, 396	Plant Health	522
AgriScience	385, 390, 494, 523	Fine Arts	470	Politics	466
Agronomy	521, 522	Food Technology	407	Primary Teaching	516
Animal Science	385	French	498	Process and Environmental Technology	410, 518, 519
Art and Design Studies	463	Genetics	392, 468	Process Engineering	518, 519
Arts and Languages Education	469, 502, 504	Geography	410	Production Technology	487, 520, 523
Aviation Studies	454	German	498	Property Studies	397
Banking Management	403	Gifted and Talented	507	Psychology	442
Biochemistry	392	Graduate School of Education	451	Public Health	487
Biology	437, 462, 468, 499	Health	422, 501	Public Policy	385, 410, 436
Building and Construction	404, 474	Health Sciences	472, 473, 490, 491	Rehabilitation Studies	413
Business	381, 382, 384, 385	History	414	Religious Studies	403
Business Law	382, 426, 427	Horticulture (Production & Landscape)	522	Resource and Environmental Planning	399
Chemistry	393	Human Development	515	Retail	525
Chinese	496	Humanities and Social Sciences	487	Secondary Teaching	504
Classical Studies	467	Human Resource Management	380, 427	Second Language Teaching	513
College of Sciences papers	499, 500	Industrial Design	464	Sleep and Circadian Science	501
Communication and Journalism	475	Industrial Innovation	523, 526	Social and Policy Studies in Education	451, 502
Computer Aided Design	473, 474	Information Systems	382, 428, 430	Social Anthropology	412
Computer Science	430, 435	Information Technology	429, 430	Social Policy	517
Counselling and Guidance	501	Japanese	497	Social Work	449
Creative Media Production	525	Learning and Teaching	507	Sociology	446
Decision Science	469	Linguistics	441, 513, 514	Soil Science	453
Defence and Strategic Studies	415	Literacy Education	503, 504	Spanish	498
Development Studies	399	Logistics and Supply Chain Management	495, 496	Spatial Design	481
Dispute Resolution	423	Management	381, 382, 384, 385, 398, 421, 422, 426, 490, 491, 492	Special and Inclusive Education	500
Early Childhood Education	507	Maori Education	510	Speech and Language Therapy	512
Early Years Teaching	511	Maori Medium Primary Teaching	509	Sport and Exercise Science	490, 491, 492
Earth Science	489	Maori Resource and Environmental Management	492	Statistics	381, 434, 435, 436, 499
Ecology	462, 463, 488	Maori Studies	417	Technology and Engineering	484, 485, 519
Economics	381, 382, 448	Marine Ecology	462, 463	Technology Education	508
Educational Administration and Leadership	504	Marketing	382, 427	Technology, Science and Mathematics Education	504
Educational Psychology	503	Mathematics	433	Te Uru Maraurau: Maori and Multicultural Education	451
Education Research	508	Mathematics Education	515	Textile Design	480
Education Studies	502	Mechatronics and Automation Engineering	521	Veterinary Clinical Sciences	461
Education Support	507	Media Studies	424	Veterinary Nursing	459
E-Learning	506	Medical Laboratory Science	467, 468	Veterinary Science	387, 482
Electrical and Electronic	473, 519, 520	Midwifery	447	Visual and Material Culture	493
Electronics and Information Engineering	519, 520	Museum Studies	438	Visual Arts Education	500
Emergency Services Management	398	Music	401	Visual Communication Design	478
Engineering	393, 395, 430, 484, 485	Nanoscience	493	Womens' Studies	441
Engineering Technology	473, 474	Natural Resource Management	452	Zoology	465, 488
English	404	Natural Sciences	499		
		Nursing	439		

Key

* Paper is not offered in 2015

Semesters (Sem)

S1 Semester One
 S2 Semester Two
 SS Summer School
 DS Double Semester

Mode of Delivery (Mode)

B1, B2, B3, B4 = Available as a block course
 DL, DL1, DL2 = Available via Distance Learning
 I = Available internally

Locations (Loc)

AL Massey Albany
 AP WB East Asia & Pacific
 BR Brunei
 CH Christchurch
 EA WB Europe & Central Asia
 MA Command & Staff Coll Trentham
 NP New Plymouth
 PN Massey Palmerston North
 QT Qatar
 SP Singapore
 TR Tauranga
 WL Massey Wellington

			Sem	Mode	Loc		Sem	Mode	Loc
110									
ACCOUNTANCY									
110.109	15 credits		S1	DL	PN		S1	DL	PN
Introductory Financial Accounting			S2	DL	PN		S1	I	AL
An introduction to measurement concepts in accounting and to the preparation and presentation of financial statements and reports, including the compilation of primary financial data.			S2	I	AL	A study of advanced topics and contemporary issues in management accounting in a range of industry settings, including strategic management and performance management.	S1	I	PN
			S2	I	PN				
			SS	DL	PN				
110.209	15 credits		S1	DL	PN		S2	DL	PN
Intermediate Financial Accounting			S1	I	AL				
A detailed study of financial reporting, with particular emphasis on corporate regulatory requirements, both professional and statutory.			S1	I	PN				
			S2	DL	PN				
110.229	15 credits		S1	DL	PN				
Management Accounting			S1	I	AL				
A study of cost accumulation and allocation processes used for internal routine reporting to managers for cost management and operational planning and control; internal non-routine reporting to managers for strategic and tactical decisions; inventory valuation and income determination for external reporting. Where appropriate, examples and applications in primary industries and the public sector will also be considered.			S1	I	PN				
			S2	DL	AL				
110.230	15 credits		S1	DL	PN				
Introductory Financial and Management Accounting									
The preparation and use of accounting and related data in the planning, controlling, decision-making, and internal and external reporting functions of business.									
110.249	15 credits		S2	DL	WL				
Accounting Information Systems			S2	I	AL				
A study of systems for the measurement and reporting of information for internal and external decision-making, including the emerging technologies that lend support for this. The accountant's role in the formulation, design, implementation and management of these systems, including risk management and controls will also be addressed.			S2	I	PN				
110.279	15 credits		S2	DL	PN				
Auditing			S2	I	AL				
An introduction to the basic principles of auditing, including the function of audits and the concepts that govern audit processes and practices.			S2	I	PN				
110.289	15 credits		S2	DL	PN				
Taxation			S2	I	AL				
An introduction to the basic principles of taxation, the elements of taxation and the concepts that govern tax practice. The paper will also provide an awareness of the economic implications of taxation at both local and global levels.			S2	I	PN				
110.303	15 credits		S1	DL	PN				
Integrative Accounting			S2	DL	PN				
An integrated study of accounting sub-disciplines and other related disciplines to create an appreciation of how accounting operates in practice. Emphasis will also be placed on integration of expanded competencies with knowledge-based skills.			S2	I	AL				
			S2	I	PN				
110.309	15 credits		S1	DL	PN				
Advanced Financial Accounting			S1	I	AL				
A study of advanced financial accounting topics and contemporary professional and conceptual issues relevant to financial reporting.			S1	I	PN				
110.329	15 credits								
Advanced Management Accounting									
110.349	15 credits		S2	DL	PN				
Advanced Accounting Information Systems									
Advanced study of the concepts and application of computer-based accounting and business systems.									
110.379	15 credits		S2	DL	PN				
Advanced Auditing			S2	I	AL				
A study of advanced topics and contemporary issues in auditing.			S2	I	PN				
110.380	15 credits		S1	DL	PN				
Estate and Tax Planning									
Practical issues arising in estate and tax planning for investors and small business in New Zealand.									
110.389	15 credits		S2	DL	PN				
Advanced Taxation			S2	I	AL				
A study of advanced topics and contemporary issues in taxation, including tax policy, international taxation and tax administration.			S2	I	PN				
110.700	30 credits		*	*	*				
Accountancy for Business Administrators									
An integrated paper in accounting with emphasis placed upon financial reporting and analysis, cost accounting and accounting for decision-making (including budgeting).									
110.701	15 credits		S2	B1	AL				
Accounting Systems			S2	DL	PN				
Accounting systems and the role of accountants in a systems environment.									
110.702	15 credits		S1	B1	AL				
Financial Accounting and Reporting			S1	DL	PN				
A comprehensive study of financial reporting, including current New Zealand GAAP and recognition of revenue, assets and liabilities.									
110.703	15 credits		S1	B1	AL				
Management Accounting and Decision Making			S1	DL	PN				
Cost and management accounting in the business environment.									
110.710	30 credits		S2	DL	AL				
Contemporary Issues in Financial Accounting			S2	I	AL				
An in-depth study of selected contemporary financial accounting and external reporting issues through a review of the relevant extant literature.									
110.711	30 credits		S1	DL	AL				
Advanced Accounting Theory			S1	I	AL				
This paper is designed for students who wish to continue their search for truth in accounting at an advanced level. They will be introduced to various conceptual issues espoused in the accounting literature such as the historical development of accounting, the relationship between philosophy of science and accounting, and the theoretical foundation of some of the important issues currently facing accounting as a profession.									
110.717	30 credits		S1	DL	AL				
Research Methods in Accounting			S1	I	AL				
This paper explores a range of different conceptual approaches to researching accounting issues and examines tools and techniques that are available for research in accounting. As an integral part of the paper, students are required to prepare and present a research proposal.									

		Sem	Mode	Loc
110.780	30 credits	*	*	*
Contemporary Issues in Taxation				
A study of contemporary issues in taxation legislation and practice.				
110.785	30 credits	*	*	*
International Taxation				
A study of contemporary issues involving the imposition of taxes on transactions and investments between parties resident in New Zealand and in foreign tax jurisdiction.				
110.792	30 credits	S1	DL	PN
Special Topic		S1	I	AL
		DS	DL	PN
		DS	I	AL
		S2	DL	PN
		S2	I	AL
110.796	60 credits	S1	DL	PN
Research Report		S1	I	AL
		DS	DL	PN
		DS	I	AL
		S2	DL	PN
		S2	I	AL
110.799	30 credits	S1	DL	PN
Research Report		S1	I	AL
		DS	DL	PN
		DS	I	AL
		S2	DL	PN
		S2	I	AL
110.800	120 credits	*	*	*
MPhil Accounting				
110.804	15 credits	S2	B1	AL
Advanced Financial Accounting and Reporting		S2	DL	PN
Theory and application of current financial reporting standards in contemporary business.				
110.805	15 credits	S2	B1	AL
Advanced Strategic Management Accounting		S2	DL	PN
Strategic applications of cost and management accounting tools and techniques.				
110.806	15 credits	S1	B1	AL
Auditing and Assurance		S1	DL	PN
The role of external auditing and assurance including the application of professional, ethical and technical requirements, and current auditing research issues.				
110.807	15 credits	S1	B1	AL
Tax		S1	DL	PN
A comprehensive examination of key aspects of New Zealand's tax regime from a domestic and international perspective.				
110.894	60 credits	DS	DL	AL
Research Report		DS	I	AL
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.				
110.895	60 credits	DS	DL	AL
Professional Practice		DS	I	AL
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.				
110.897	60 credits	DS	DL	PN
Thesis 120 Credit Part 1		DS	I	AL
A supervised and guided independent study resulting in a published work.				
		DS	I	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN
110.898	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		S1	I	AL
A supervised and guided independent study resulting in a published work.				
		S1	I	PN
		DS	DL	PN
		DS	I	AL
		DS	I	PN
110.899	120 credits	DS	DL	PN
Thesis		DS	I	AL
A supervised and guided independent study resulting in a published work.				
		DS	I	PN

		Sem	Mode	Loc
110.900	120 credits	DS	DL	PN
PhD Accounting		DS	I	AL
		DS	I	PN
		DS	I	WL
111				
AGRICULTURAL AND HORTICULTURAL SYSTEMS MANAGEMENT				
111.900	120 credits	DS	I	PN
PhD Agricultural and Horticultural Systems Management				
112				
AGRIBUSINESS				
112.248	15 credits	S1	DL	PN
Food and Agribusiness Value Chains		S1	I	PN
The study of the flow of food and agricultural products from the farm to the final consumer. Emphasis on successful value chain management applied to food and agribusiness. The course utilizes field trips to study local value chains.				
112.301	15 credits	S1	DL	PN
International Food and Agribusiness Strategies		S1	I	PN
Application of a broad range of business concepts - economic, financial and marketing - to international agri-food business and marketing. Emphasis is placed on international consumers and agri-food exports, including external environment, terms of trade, transportation, packaging, documentation, methods of payment, risk management and negotiation.				
112.302	15 credits	S2	DL	PN
Food and Agribusiness Strategies		S2	I	PN
Extensive use of food industry and agribusiness case studies. Emphasis is placed on strategic analysis and decision making applied to New Zealand and international agribusiness				
112.701	30 credits	DS	DL	PN
Farm Management		DS	I	PN
An introduction to land based production systems. Particular emphasis is placed on the unique characteristics of farm/horticulture businesses and the tools and frameworks by which to assess them. This paper is designed for students who do not have prior tertiary training in farm management and is relevant for those with farming experience.				
112.702	15 credits	S1	DL	PN
International Agri-Food Marketing Strategies		S1	I	PN
An advanced study of international agri-food business and marketing. Emphasis is placed on international consumers and agri-food exports, including external environment, terms of trade, transportation, packaging, documentation, methods of payment, risk management, intercultural communication and negotiation.				
112.743	15 credits	S2	B1	PN
Cooperative Governance and Management		S2	I	PN
An advanced study of the theory and practises of cooperatives and mutuals. Emphasis is placed on the ownership and governance of cooperatives and their subsequent performance in meeting the conflicting demands placed on them through shareholder/supply or shareholder/buyer complexities. The competitiveness of cooperatives in a global environment is explored through appropriate case studies, with particular attention being paid to global equity and consumer markets.				
112.748	30 credits	S1	DL	PN
Advanced Food and Agribusiness Strategies		S1	I	PN
Contemporary NZ and international agribusiness issues and strategies. Emphasis is placed on the dynamics of agribusiness strategies, structures and institutions, agricultural trade and environmental issues, food and fibre markets and supply chains. Case studies are used extensively throughout the course.				
112.788	30 credits	DS	I	PN
Research Report				
112.795	15 credits	S1	I	PN
Special Topic				
112.796	30 credits	S1	I	PN
Special Topic				
112.887	60 credits	DS	I	PN
Research Report				

		Sem	Mode	Loc
112.889	120 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
112.896	60 credits	S1	DL	PN
Professional Practice				
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.				
112.897	60 credits	DS	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
112.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
112.900	120 credits	DS	I	PN
PhD Agribusiness				

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HUMAN RESOURCE MANAGEMENT

114.240	15 credits	S1	I	AL
Organisational Behaviour				
This paper examines the behaviour of people in the work environment. Students develop a basic understanding of individual behaviour and explore issues of motivation, communication, leadership, decision-making, careers, power and organisational change. The paper is based on a foundation of theory but incorporates a strong practical emphasis.				
114.241	15 credits	S1	DL	PN
Managing Human Resources				
An introduction to personnel management processes in organisations.				
114.242	15 credits	S2	DL	PN
Human Resource Development				
An introduction to the process of training and human resource development within organisations. The paper is modelled on a learner-centred, systematic approach to training. Emphasis is placed on principles of effective human resource development in the areas of learning, and the design, implementation and evaluation of HRD programmes.				
114.254	15 credits	S1	DL	PN
Managing Employment Relations				
An examination of theories and practices of employment relations and New Zealand legislation and policy.				
114.271	15 credits	S1	B1	AL
Occupational Safety and Health I				
An introduction to Occupational Safety and Health and its application to workplaces in New Zealand. The paper will explore the complex relationship between health and safety, factors in the working environment affecting health and safety and systems intended to regulate and manage the working environment.				
114.272	15 credits	DS	DL	PN
Occupational Safety and Health II				
A detailed study of hazards commonly found in the work environment.				
114.297	15 credits	*	*	*
Human Resource Development				
An introduction to a range of issues involved in human resource development from the perspective of business communication, personnel management and training and development.				
114.298	15 credits	*	*	*
Employment Relations Management				
Industrial relations in perspective; the Employment Relations Act; contract negotiation, construction and interpretation; principal employment statutes; termination of contracts.				
114.326	15 credits	S2	DL	PN
Human Resource Practices				
A critical examination of selected human resource management practices. During the paper, students will develop familiarity with human resource management policies and practices in a practical context, through relevant theory and an appreciation of the ethical issues involved.				

		Sem	Mode	Loc
114.330	15 credits	S1	DL	PN
Equity and Diversity in the Workplace				
A study of the historical, legal and social issues of diversity and equality in the workplace in New Zealand and overseas.				
114.350	15 credits	S1	DL	PN
Current Issues in Human Resource Management				
Critical examination of current issues in human resource management. The areas chosen for study will vary to reflect the changing emphasis within the multidisciplinary framework of human resource management.				
114.355	15 credits	*	*	*
Management Development				
A study of the managerial competencies associated with organisational effectiveness and the methods of developing these within organisations. The paper considers the roles of cognitive power, values, skill, experience and temperament in managerial performance.				
114.368	15 credits	*	*	*
Special Topic in Occupational Safety and Health				
A special topic in Occupational Safety and Health.				
114.370	15 credits	*	*	*
Special Topic Occupational Safety and Health				
114.372	15 credits	DS	DL	PN
Occupational Hygiene				
A study of the principles of occupational hygiene and their application to the workplace in New Zealand. Topics include the recognition, evaluation and control of health hazards in the work environment; noise measurement and control; relevant legislation and standards; dust, vapour and gas measurement techniques; ventilation and case studies.				
114.374	15 credits	DS	DL	PN
Project in Occupational Safety and Health				
An applied research paper in which the student conducts an extended, systematic enquiry into a particular topic in occupational safety and health.				
114.375	15 credits	DS	DL	PN
Special Topic in Occupational Safety and Health				
A special topic in Occupational Safety and Health.				
114.396	15 credits	S2	DL	PN
Strategic Human Resource Management				
An exploration of contemporary and emergent issues in the management of human resource, with particular emphasis on the organisation's response to trends in its external environment.				
114.397	15 credits	*	*	*
The New Zealand Industrial Relations Framework				
The industrial relations regulatory framework and its application, interpretation and operation in the workplace.				
114.398	15 credits	*	*	*
Labour Negotiation Techniques				
An overview of negotiation behaviour through an examination of the theory, preparation, planning, strategies and tactics of negotiation.				
114.702	30 credits	S1	DL	PN
Human Resource Management and Workplace Relations				
This paper introduces the area of Human Resource Management and Workplace Relations. Specifically, the focus of the paper is on the principles and practices associated with organisational behaviour, employment relations, human resources management and development.				
114.709	30 credits	S2	DL	AL
Managing the Employment Relationship				
A general understanding of Employment Relations and Human Resource management with an emphasis on contemporary theory and practice. This paper provides the opportunity for critical reflection and analysis of theories and practices relating to managing the employment relationship in any organisation.				
114.710	30 credits	*	*	*
Organisational Learning				
An in-depth investigation of issues confronting teams and organisations seeking improvement through generative learning. Special emphasis is placed on leadership and vision, mental models, systems thinking and defensive routines. Tools, techniques and cases of organisational learning will be considered.				
114.722	30 credits	S1	DL	AL
Advanced Organisational Behaviour				
This paper is an examination of applied psychology and sociology in the context of organisations. The content is based on a foundation of theory which students are expected to critically analyse. The paper is designed so that students apply the theory to modern organisational situations.				

114.723	30 credits	* * *
Performance Management		
This paper critically analyses the role of Performance Management in individual, team and organisational performance by examining its theoretical and practical underpinnings. Implications for training, reward and disciplinary systems are also explored.		
114.728	30 credits	* * *
Valuing Human Resource Talent in Business Enterprises		
An examination of human resource management focusing on the value of talent in business enterprises. This will include contemporary approaches and issues involved in the management and measurement of knowledge-based assets for assisting stakeholders and decision-makers.		
114.731	30 credits	DS DL PN
Advanced Occupational Safety and Health		
An examination of current issues in Occupational Safety and Health and issues commonly found in the work environment.		
114.735	30 credits	S1 DL PN S2 I AL
Competitive Advantage and HRM Strategy		
An examination of how strategic human resource management theory and practice contributes to sustained competitive advantage in business enterprises. Particular reference is made to the environmental factors that influence talent management in New Zealand and globally.		
114.761	30 credits	S2 DL AL S2 I AL
International Human Resource Management		
An examination of the management of employees from an international perspective, including comparative HRM, the practice of HRM in multinational firm, and developments in the emerging field of Strategic International Human Resource Management (SIHRM).		
114.762	30 credits	* * *
Career Management in an International Context		
An examination of the theory and management of careers with an emphasis on new forms of careers and the management of careers both within and across global boundaries.		
114.770	30 credits	* * *
Health and Safety Auditing		
A comprehensive examination and critical analysis of current theories and practice in relation to auditing and assessing organisational health and safety performance.		
114.772	30 credits	DS DL PN
Advanced Occupational Hygiene		
An advanced paper studying the current issues in occupational safety and health, which involves the recognition, evaluation and control of health hazards in the work environment, including the study of noise, ventilation systems and air pollution.		
114.773	30 credits	DS DL PN
Hazard Management		
A comprehensive analysis of Hazard Management and the application of Hazard Management methodologies and legislation.		
114.775	30 credits	DS DL PN
Special Topic in Occupational Safety and Health		
114.778	30 credits	* * *
Research Report Part 1		
114.779	30 credits	* * *
Research Report Part 2		
114.792	60 credits	* * *
Research Report (2P)		
114.799	30 credits	DS DL PN
Research Report		
Students are required to conduct a piece of independent research.		
114.891	45 credits	S1 I PN S2 I PN
Thesis 90 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
114.892	45 credits	S1 I PN S2 I PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
114.893	90 credits	* * *
Thesis		
A supervised and guided independent study resulting in a published work.		

114.894	60 credits	S1 I AL DS DL PN DS I AL S2 DL PN S2 I AL
Research Report		
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.		
114.895	60 credits	S1 B1 PN DS DL PN S2 B1 AL
Professional Practice		
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.		
114.897	60 credits	DS DL PN DS I AL S2 I AL S2 I PN
Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
114.898	60 credits	S1 I AL S1 I PN DS DL PN DS I AL
Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
114.899	120 credits	DS DL PN DS I AL
Thesis		
A supervised and guided independent study resulting in a published work.		
114.900	120 credits	DS I AL DS I PN
PhD Human Resource Management		

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ACCOUNTANCY

115.012	15 credits	S1 I PN S2 I PN
Foundation Studies in Accounting		
A foundation course in accounting. Topics include an introduction to the principles of accounting, a general overview of accounting and the legal environment in New Zealand, and familiarisation with accounting terminology.		

MANAGEMENT

115.013	15 credits	S1 I AL S1 I PN S2 I AL S2 I PN SS I AL
Foundation Studies in Management		
A foundation course in management. This course will provide students with a broad concept of management. Topics include an introduction to the principles and practices of management, business and its environment and in particular the New Zealand business environment as well as familiarisation with management terminology.		

ECONOMICS

115.014	15 credits	S1 I AL S2 I AL SS I AL
Foundation Studies in Economics		
A foundation course in economics. Topics include an introduction to the principles of economics, a general overview of the New Zealand economy and economic institutions, and familiarisation with economic terminology.		

BUSINESS

115.100	15 credits	DS I WL
Journalism Technology Practices		
Develop information gathering and recording skills including the ability to take shorthand at no less than 80 wpm and type at 30 wpm or more.		

STATISTICS

115.101	15 credits	S1 DL PN S1 I AL S1 I PN SS DL PN SS I AL
Statistics for Business		
An introduction to the presentation, analysis and interpretation of quantitative data. Topics include the construction of charts and summary statistics, probability, sampling, hypothesis testing, regression, time series analysis and quality management.		

ACCOUNTANCY

115.102	15 credits	S1 DL PN S1 I AL S1 I PN S2 DL PN S2 I AL SS DL PN
Accounting		
An introduction to the way accounting techniques and accounting information are used in planning, monitoring and evaluating organisational performance and in discharging accountability to interested parties within and outside organisations.		

BUSINESS LAW

115.103	15 credits	S1	DL	PN
Legal and Social Environment of Business		S1	I	AL
An introduction to the current business environment. The paper uses a stakeholder model of business relationships to focus on selected legal, social and ethical elements that impact on the operation of business organisations in New Zealand.				
		S2	DL	PN
		S2	I	AL
		S2	I	PN

MARKETING

115.104	15 credits	S1	DL	PN
Principles of Marketing		S1	I	AL
An introduction to the concepts and principles of marketing. The paper is designed to develop a basic understanding of consumers, market analysis, marketing planning, and marketing management.				
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL

FINANCE

115.105	15 credits	S1	I	AL
Fundamentals of Finance		S2	DL	PN
An introduction to the management and financing of financial and real assets. Areas of study include the time value of money concept, the relationship between risk and return, financial management, and capital budgeting techniques.				
		S2	I	AL
		S2	I	PN
		SS	DL	PN

ECONOMICS

115.106	15 credits	S1	DL	PN
Economics		S1	I	AL
An introduction to the economic analysis of markets, with emphasis on the behaviour of individuals, firms and government. A framework is used to analyse and evaluate contemporary economic policies in both New Zealand and international contexts.				
		S1	I	PN
		S2	I	AL
		S2	I	PN
		SS	DL	PN

INFORMATION SYSTEMS

115.107	15 credits	S1	DL	PN
Management Information Systems		S1	I	AL
An introductory study of the roles and applications of information systems in organisations and society. The paper emphasises the development of information systems, and their uses for communication, goal achievement and knowledge management in applied contexts.				
		S2	DL	PN
		S2	I	AL
		S2	I	PN

MANAGEMENT

115.108	15 credits	S1	DL	PN
Organisations and Management		S1	I	AL
An introduction to key management concepts and processes in New Zealand and international organisations. This includes an examination of management thought, practices and functions, organisational communication and organisational behaviour.				
		S1	I	PN
		S2	I	AL
		SS	DL	PN

BUSINESS

115.109	15 credits	S2	DL	AL
Introduction to Business Data Analysis		S2	I	AL
An introduction to internal and external organisational data, mechanisms to obtain, analyse and interpret that data, and performance indicators used to define and assess the operational and financial viability of a business.				

115.277	15 credits	S1	DL	PN
Special Topic		DS	DL	PN
		S2	DL	PN

115.287	6 credits	S1	DL	PN
Special Topic		DS	DL	PN
		S2	DL	PN

115.288	12 credits	*	*	*
Special Topic				

115.301	15 credits	*	*	*
Public Sector Human Resource Management				
This paper deals with the knowledge and skills usually required for the human resource responsibilities in contemporary public sector line management. Emphasis is given to linking human resource practice to the strategy of the student's employing organisation.				

115.302	15 credits	*	*	*
Public Sector Policy Management				
This paper consists of a systematic examination of the policy environment, policy development processes, ethics in policy advice and management of policy development. Skills in these areas are developed by practical exercises relating to the students' own work environment.				

115.303	15 credits	*	*	*
Public Sector Financial Management				
This paper introduces the principles, practices and techniques of financial management as they apply for public sector line managers. This includes the development and use of financial reports in management decision-making; performance monitoring and external reporting.				

115.304	15 credits	*	*	*
Public Sector Planning Management				
This paper starts from the perspective of the desired future position and works back to the present to define those aspects to be changed. This is done in the context of public sector environments and processes. Planning skills are developed by exercises relating to the students' work environment.				

115.305	15 credits	*	*	*
Public Sector Service Delivery Management				
This paper examines service delivery to public sector clients. Emphasis is on the complexities of customer service in areas with multiple public objectives.				

115.306	15 credits	*	*	*
Special Topic in Public Sector Management (Practicum) (A)				

115.307	15 credits	*	*	*
Public Sector Evaluation Management				
This paper examines the required characteristics for the evaluation of public sector quality performance. Evaluation skills are developed by exercises.				

115.308	15 credits	*	*	*
Nga Ahuatanga (Contemporary Māori Development)				
This paper examines four interfaces between the public sector and te ao Māori : - Tikanga and te reo Māori - The Treaty of Waitangi - Māori organisational arrangements - Contemporary Māori development. For each theme the aim is both the acquisition of knowledge and development of relevant skills.				

115.309	15 credits	*	*	*
Special Topic in Public Sector Management (Practicum) (B)				

115.310	15 credits	*	*	*
Public Sector Reform and Change Management				
The changing role of government, shifting relationships between public and private organisations, the growing interdependence of nations and regions and increasing fiscal constraints are all pressures for reform in the public sector. Managers can respond better if they understand these pressures and how they might be managed. This paper considers these pressures for change and how managers in the public sector might respond.				

115.311	15 credits	*	*	*
Human Resource Management in Local Government				
This paper deals with the knowledge and skills usually required for the human resource responsibilities in contemporary local government line management. Emphasis is given to linking human resource practice to the strategy of the student's employing organisation.				

115.312	15 credits	*	*	*
Policy Management in Local Government				
This paper consists of a systematic examination of the policy environment, policy development processes, ethics in policy advice, and management of policy development. Skills in these areas are developed by practical exercises relating to the students' own work environment. Local government circumstances are emphasized.				

115.313	15 credits	*	*	*
Financial Management in Local Government				
This paper introduces the principles, practices and techniques of financial management as they apply for public sector line managers. This includes the development and use of financial reports in management decision-making, performance monitoring and external reporting. Local government circumstances are emphasized.				

115.314	15 credits	*	*	*
Planning Management in Local Government				
This paper starts from the perspective of the desired future position and works back to the present to define those aspects to be changed. This is done in the context of local government environments and processes. Planning skills are developed by exercises relating to the students' work environment.				

115.315	15 credits	*	*	*
Service Delivery Management in Local Government				
This paper examines service delivery to local government clients. Emphasis is on the complexities of customer service in areas with multiple public objectives. Local government circumstances are emphasized.				

		Sem	Mode	Loc
115.316	15 credits	S1	DL	PN
Special Topic		S1	I	AL
		S1	I	PN
		S1	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
115.317	15 credits	*	*	*
Evaluation Management in Local Government				
This paper examines the required characteristics for the evaluation of local government quality performance. Evaluation skills are developed by exercises.				
115.319	15 credits	S1	DL	PN
Special Topic		S1	I	AL
		S1	I	PN
		S1	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
115.377	15 credits	S1	DL	PN
Special Topic		S1	I	AL
		S1	I	PN
		DS	DL	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		SS	DL	PN
115.387	6 credits	S1	DL	PN
Special Topic		DS	DL	PN
		S2	DL	PN
115.388	30 credits	DS	I	AL
Internship in Business		DS	I	PN
Provides an individual practical experience in business, linking theory to practice. It consists of a period of supervised study and practical experience in an area related to individual disciplinary and professional interests.				
115.720	18 credits	*	*	*
MBA Special Topic				
115.721	15 credits	S1	B1	CH
Business Law and Ethics		S1	B1	NP
		S1	B1	WL
		SS	B1	AL
115.723	15 credits	S1	B1	AL
Accounting I		S1	B1	NP
		S1	B1	WL
		S2	B1	CH
A paper designed to explain the accounting function from a management perspective. The paper will cover; (a) the key relationships between wealth, the measurement of wealth and change in wealth which are a function of organisational purpose, products and strategies; (b) data capture, processing and reporting which enable monitoring of progress toward and enhance prospects of achieving objectives; (c) benchmarking for improving organisational performance improvement and the use and misuse of comparison as a means of assessment; (d) compliance and organisational constraints on reporting to external stakeholders; and (e) other contemporary issues in accounting and management.				
115.724	15 credits	S1	B1	AL
Business Finance		S1	B1	WL
		S2	B1	CH
		S2	B1	NP
A paper covering the corporate finance function in business, dealing with the sourcing of funds to establish and expand the application of those funds in pursuing the goals of the organisation. Particular attention is given to valuing financial assets, to investment and capital budgeting decisions, to the capital structure, and to working capital management.				
115.725	15 credits	S1	B1	AL
Leadership and People		S1	B1	CH
		S1	DL	PN
		S2	B1	WL
		SS	B1	NP
A study of the behaviour of people in the work environment, including issues of organisational structure and management theory together with issues of motivation, communication, leadership, decision-making, career development, power and organisational change.				
115.726	15 credits	S1	B1	NP
Marketing		S2	B1	AL
		S2	B1	CH
		S2	DL	PN
		SS	B1	WL

		Sem	Mode	Loc
115.727	15 credits	S1	B1	CH
Entrepreneurship and Innovation		S1	B2	QT
A study of the theory and practice of entrepreneurship with special reference to the overall business sector. The paper will examine the dimensions of innovation and entrepreneurship with emphasis on the entrepreneur's contribution to existing organisations and new ventures.				
115.728	15 credits	SS	B1	PN
Contemporary Strategy				
The paper examines the process of strategic policy and decision-making in organisations and includes a study of legal, political, behavioural and environmental factors that influence the process. The systems and techniques of strategic planning and decision-making are examined in the context of the business organisation.				
115.729	15 credits	S2	B1	NP
Accounting and Management				
An advanced study of the accounting function with particular reference to the contribution of the function to strategic policy and planning and as an integrative function in the business.				
115.731	15 credits	S2	B1	NP
Change Management		S2	B2	QT
An advanced study of models, management processes and research on implementing, monitoring and evaluating organisational changes.				
115.732	15 credits	S2	B1	AL
Operations and Logistics		S2	B1	NP
		S2	B1	WL
		SS	B1	CH
A study of the Operations Management function, including manufacturing and processing systems; productivity, quality management and leading-edge techniques in the optimisation of systems and physical resources.				
115.734	15 credits	DS	B1	PN
Strategic Management - Planning and Application		DS	B2	PN
		DS	B3	PN
		S2	B2	PN
This paper engages cases from real organisations in New Zealand and abroad which require strategic integration and application of knowledge across all of the business functions. Significant instruction in formulation and implementation of strategies across organisational contexts will be provided. The paper includes a mandatory international study tour.				
115.735	15 credits	DS	B1	AL
Applied Business Research		S2	B2	QT
This paper provides students with an understanding of the role, place, techniques and tools of research in the management and decision-making processes of a business organisation.				
115.736	15 credits	S2	B1	AL
Business Development				
A course of study relevant to the candidate's career context.				
115.737	30 credits	S1	B1	PN
MBA Applied Research Project		DS	B1	PN
		DS	B2	QT
Students are required to undertake an independent applied research project on an agreed subject approved by the MBA Director.				
115.738	15 credits	SS	B1	TR
Corporate Governance Best Practice				
An introduction to the duties, responsibilities, best practices and dynamics of governance roles across the spectrum of private, public and institutional organisations.				
115.739	15 credits	S2	B1	PN
Special Topic I		S2	B2	QT
		SS	B1	PN
115.740	15 credits	S2	B2	QT
Special Topic II		SS	B1	AL
		SS	B1	PN
115.742	15 credits	*	*	*
Cross-Cultural Behaviour				
This course draws upon psychology, sociology and anthropology to examine the role of culture in the behaviour of managers, employees, consumers, competitors and the community in international business. Among the topics included are communication, motivation, change, group dynamics, stress, negotiation, interpersonal relationships, and decision-making. The course employs case studies, exercises, and other methods to provide awareness of varied cultural environments and experiences.				
115.743	15 credits	SS	B1	AL
Information, Technology and e-Commerce				
A study of the nature and role of information, technology and electronics in international business. The course focuses on a state-of-the-art review of the use of information systems, issues and trends in business-related technology, and the nature, purpose and evolution of e-business. Through the integration of theory and practice, the course is intended to equip students with knowledge, methods,				

and awareness of the electronic revolution that increasingly shapes international business operations.

115.745 **15 credits** S1 B1 CH
Economics - Applied and International S2 B1 AL
 An examination of the theory and functions of the economic systems of selected nations of differing political systems. The course includes a survey of microeconomics and macroeconomics relevant to the central functions of international business. Included is the impact of national economic policy on corporate decision-making, market structures, foreign trade and corporate performance. Topics studied intensively will be based upon the economic issues and the frontiers of knowledge at the time and place the course is offered.

115.749 **15 credits** * * *
Cross-Cultural Decision-Making and Negotiation
 A study of the purposes, concepts and practices of decision-making and negotiating across cultures, with specific reference to international business. Cultural influences on individual and group behaviour are examined, as are relationships, status, power, national and corporate culture, rituals and rules, social structure. The function and practice of negotiation are defined and studied. Case studies and other methods are used to assist understanding of effective cross-cultural decision-making and negotiation techniques.

115.750 **15 credits** SS B1 AL
Investments and Risk
 The course includes a study of the nature, role and practice of competition and risk in business on national and international levels. Among the topics covered are competitive advantage, risk identification and evaluation, formulation and execution of corporate competition policies, and the design of policies to compete effectively internationally. Case studies from diverse companies and countries are included in the course.

115.751 **15 credits** DS B1 PN
International Trade
 A study of the trade of goods, services, finance and other resources internationally, including the governing laws, regulations and agreements. Included are United Nations-sponsored conventions, the World Trade Organisation, bilateral and multilateral agreements, dispute resolution, intellectual property, and selected issues and trends. The course uses case studies and examples to provide realistic illustrations of practical links between the theory and practice of international trade.

115.755 **15 credits** * * *
International Research Project
 This paper provides students with an opportunity to determine a business research problem, specify it precisely, carry out a literature review, determine appropriate methodology within a research plan, and give a presentation that invites feedback on the most appropriate means of solving the research problem identified.

115.756 **15 credits** * * *
Special Topic
 A course relevant to international business offered from time to time on the basis of the academic or professional needs of individuals or groups.

115.757 **30 credits** DS B1 AL
MBA Strategic Consultancy Project
 The course provides an opportunity for MBA Students to integrate the knowledge and skills acquired during the programme and to apply them in a business environment with the aim of achieving a positive impact on business performance.

115.760 **15 credits** * * *
Public Sector Evaluation
 This paper explains the importance of evaluation for setting directions in the public sector, how to categorise situations and to match evaluation techniques to those situations. Evaluation ethics are explored. Evaluation skills are developed by exercises.

115.761 **15 credits** * * *
General Management in the Public Sector
 A comparative approach to management in the private and public sectors, leading into development of understanding and skills necessary to be effective as a senior public sector manager. Topics include governance - management relationships, sector conventions, skills in handling planning and accountability processes, leadership and ethics.

115.762 **15 credits** * * *
Developing Public Policy
 This paper explains the public sector policy process, from identification of desired outcomes, through the policy development processes, up to the decision stage. The emphasis is on process leadership and management, with practical guidance on linking policy to outcomes and getting acceptance of proposals.

115.763 **15 credits** * * *
Public Sector Principles, Reform and Emerging Directions
 This paper explores the public sector environment; its historical and theoretical foundations, the conventions and law that govern its operation, its economic

significance, contemporary issues of structure and operation, and evolving concepts of public sector reform. Perspective is provided by international comparisons.

115.770 **15 credits** * * *
Procurement and Supplier Management
 Understand the role and management of buyer-supplier partnerships and the use of innovative acquisition techniques to manage supply chain contracting and purchasing.

115.771 **15 credits** * * *
The Global Supply Chain
 Understanding and developing critical thinking and evaluation skills to analyse key global supply chain factors.

115.772 **15 credits** * * *
Supply Chain Modelling
 Understanding the role of modelling in operational, strategic and tactical Supply Chain planning. Includes a range of Supply Chain models and other analytical techniques.

115.773 **15 credits** * * *
Supply Chain Strategy
 Understanding and analysing the role of supply chain strategy as a fundamental business practice and competitive strategy. Includes creating/implementing a supply chain strategy and determining a desired direction of supply chain development.

MANAGEMENT

115.776 **60 credits** DS B1 AL
Advanced Leadership
 A comprehensive examination of established and emerging leadership concepts, principles, theories and philosophies, and a consideration of their impact at individual, team, and organisational levels.

115.777 **60 credits** DS B1 AL
Leadership Practice
 A study of the professional issues that impact on the practice of leadership. Utilising research from the field of positive psychology, each participant will identify leadership capabilities linked to self-awareness and personal growth, and assess alternative frameworks for the application of coaching and mentoring skills in an organisational setting to achieve outstanding performance.

BUSINESS

115.778 **15 credits** * * *
Special Topic

115.779 **15 credits** * * *
Special Topic

115.780 **18 credits** * * *
Special Topic MBA

115.781 **18 credits** * * *
Special Topic MBA

115.782 **18 credits** * * *
Special Topic MBA

115.785 **3 credits** * * *
Special Topic

115.786 **30 credits** * * *
Special Topic

115.787 **6 credits** * * *
Special Topic

115.788 **12 credits** * * *
Special Topic

115.789 **15 credits** S1 DL PN
Special Topic S1 I AL
 S1 I PN
 S1 I WL
 S2 DL PN
 S2 I AL
 S2 I PN
 S2 I WL
 SS DL PN
 SS I AL
 SS I PN
 SS I WL

117.344	15 credits	S1	I	PN
Animal Growth and Meat Production				
Patterns of growth and development of farm animals will be described with emphasis on those characteristics of growth with economic implications for meat production, such as the rate, efficiency and composition of growth. Structural and functional aspects of muscle, bone and fat as they relate to animal well-being as well as carcass and meat quality will be considered. In describing factors that can affect animal growth, carcass composition and meat quality, particular attention will be given to on-farm factors.				
117.345	15 credits	DS	DL	PN
Genetics for Livestock Improvement				
The relative influence of genetic and environmental factors on quantitative traits. Methods of calculating breeding values or indices to exploit genetic variation in quantitative traits. The use of computers to utilise pedigree and performance records. Selection for disease resistance, the use of new reproductive technologies to enhance genetic gain and the potential importance of molecular genetics in livestock improvement. Maternal influences and methods of selecting for maternal components. Crossbreeding and inbreeding as selection tools.				
117.347	15 credits	S1	I	PN
Reproductive and Lactational Physiology				
Structure and function of reproductive tracts, placenta and mammary gland. Sex/gender determination, endocrine control of oestrous cycles, fertilisation, pregnancy and mammogenesis. Fetal programming, birth and lactogenesis, Nutrient supply to gland and metabolic disease. Factors affecting milk yield and composition. Puberty, breeding seasons, fertility, fecundity and technological developments in reproduction. Practicals on analysis of reproductive data, anatomy, histology, and reproductive technologies.				
117.348	15 credits	S2	I	PN
Animal Metabolism				
A study of animal metabolism at the whole-body level. The emphasis will be on integrative aspects of metabolism, including developing a quantitative model of nutrient and energy flow from the food to organs, tissues and products. Mechanisms controlling body metabolism in general and the intrinsic and extrinsic factors affecting them will be emphasised.				
117.361	15 credits	S2	I	PN
Companion Animal Science				
This paper is an integration of the scientific and theoretical aspects of companion animal science. The main topics covered include the nutrition, health, behaviour, welfare, reproduction and genetics of dogs and cats. The emphasis will be placed on the scientific foundation for the promotion of animal wellbeing and longevity.				
117.371	15 credits	S1	I	PN
Animal Production				
The impacts of breeding, nutrition, reproduction and lactation in New Zealand animal production systems. A modularized paper requiring students to select three systems from: dairy cattle production, wool production, sheep production, pig and poultry production, beef cattle production and the working dog.				
117.381	15 credits	S2	I	PN
Solving Problems in Animal Production				
This paper builds on knowledge gained in 117.371 by examining the underlying science of animal production in New Zealand. The critical evaluation of the impacts of specific aspects of breeding, nutrition, reproduction and health on animal production and the design and development of improved production systems. A modularized paper requiring students to select two systems from: dairy, beef, sheep, pigs and poultry.				
117.761	15 credits	S2	DL	PN
Ruminant Livestock Feeding				
An advanced paper in practical aspects of feeding ruminants, with emphasis on the grazing animal. Rumen development in young animals; estimation of energy and protein and mineral requirements for ruminants; factors affecting voluntary intake; nutritive value of feeds; ration formulation.				
117.762	15 credits	DS	I	PN
Intensive Livestock Feeding				
The principles and science of feed evaluation, feed requirements and diet formulation for pigs, poultry, fish and companion animals.				
117.764	15 credits	DS	I	PN
Growth and Meat Science				
An advanced course on animal growth and meat science, particularly with respect to the main meat-producing species farmed in New Zealand. Topics include factors affecting the rate, efficiency and composition of growth, measurement of body and carcass composition and meat quality, constraints to animal growth, the bases of variation in meat quality characteristics and physiological explanations for variation in growth. Opportunities are provided for individual students to focus on areas of personal interest.				
117.765	15 credits	DS	I	PN
Genetics and Breeding				
An advanced course in animal breeding and genetics designed to introduce aspects of breeding value estimation, index selection and maternal effects across herd/flock				

genetic evaluations, genotype by an environment interaction, major genes, applied molecular genetics, inbreeding, crossbreeding, physiological genetics and genomic selection.				
117.767	15 credits	DS	I	PN
Reproduction and Fertility				
An advanced course in the physiology and application of reproduction in farm animals, control of breeding activity and parturition and new reproductive technologies in relation to animal production.				
117.768	15 credits	DS	I	PN
Metabolism and Endocrinology				
An advanced course in the metabolism of carbohydrate, fat and protein in ruminants and/or non-ruminants. Endocrine control and nutrient flows in various physiological states.				
117.769	15 credits	DS	I	PN
Lactation and Milk Production				
An advanced course in aspects of physiology and biochemistry of mammary gland development and lactation that affect milk production. Principles of milk removal, machine milking, mastitis and its control.				
117.771	15 credits	DS	DL	PN
Dairy Production				
An advanced course in the principles and practices of dairy production from grazed pastures. Management and control of feeding, effects of stocking rate on productivity, effects of grazing management, supplementary feeds, fertility, calving dates and dry-off dates, breeds and breeding in relation to dairy farm productivity.				
117.772	15 credits	DS	I	PN
Sheep Production				
An advanced course in the products, principles and practices of sheep production from grazed pastures. Breeds, crossbreeding and genetic improvement. Fertility and fecundity. Feed requirements and feed management in production systems.				
117.773	15 credits	DS	I	PN
Beef Cattle Production				
An advanced course in the principles and practices of beef production from grazed pastures. Nutrition and feeding, growth and carcass quality, reproductive performance, breeds and their utilisation in relation to cow-calf and finishing beef cattle systems of production.				
117.774	15 credits	DS	I	PN
Pig Production				
An advanced course in the principles and practices of pig production. Nutrition and feeding; housing and waste disposal; growth and carcass quality; management of reproduction and genetic improvement; animal welfare; profitability; industry structure.				
117.775	15 credits	DS	I	PN
Deer Production				
An advanced course in the principles and practices of deer production from grazed pastures. Nutrition and management of stags and hinds. Reproduction in deer; unique features and seasonality. Production of venison and velvet. Breeds and breeding. Temperate deer and tropical deer. Tourism and the deer industry. Food products from the deer industry.				
117.776	15 credits	DS	I	PN
Poultry Production				
Production of eggs and meat; energy and nutrient requirements; effects of housing, light and the thermal environment; waste disposal; welfare.				
117.783	15 credits	DS	I	PN
Advanced Studies in Animal Science				
Advanced studies of major physiological systems and functions in animals and their relevance to animal production. These studies can be undertaken in any of the following topics: Nutrition; Climatic Physiology; Growth and Meat Science; Genetics and Breeding; Fibre Physiology; Reproduction and Fertility; Metabolism and Endocrinology; Lactation and Milk Production, Equine Science.				
117.784	30 credits	DS	I	PN
Advanced Studies in Animal Science				
Advanced studies of major physiological systems and functions in animals and their relevance to animal production. These studies can be undertaken in any of the following topics: Nutrition; Climatic Physiology; Growth and Meat Science; Genetics and Breeding; Fibre Physiology; Reproduction and Fertility; Metabolism and Endocrinology; Lactation and Milk Production, Equine Science.				
117.785	15 credits	DS	DL	PN
Advanced Studies in Animal Production				
Advanced studies of animal production methods and systems which can be undertaken in any of the important types of production animals: beef or dairy cattle; sheep; deer; horses; pigs or poultry. The studies of ruminant animal production will focus on the intensive use of grazed pastures.				

		Sem	Mode	Loc
117.786	30 credits	DS	I	PN
Advanced Studies in Animal Production				
Advanced studies of animal production methods and systems that can be undertaken in any of the important types of production animals: beef or dairy cattle; sheep; deer; horses; pigs or poultry. The studies of ruminant animal production will focus on the intensive use of grazed pastures.				
117.799	30 credits	DS	I	PN
Research Report				
117.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
117.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
117.875	90 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
117.887	60 credits	DS	I	PN
Research Report				
117.897	60 credits	DS	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
117.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
117.899	120 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
117.900	120 credits	DS	I	PN
PhD Animal Science				

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VETERINARY SCIENCE

118.599	120 credits	DS	I	PN
BPhil Veterinary				
118.701	60 credits	DS	I	PN
Theriogenology				
A personal course of study in aspects of reproduction of an animal species chosen by the candidate.				
118.702	60 credits	DS	I	PN
Veterinary Medicine				
A personal course of study in aspects of veterinary medicine in a species selected by the candidate.				
118.703	60 credits	DS	I	PN
Veterinary Surgery				
The principles of surgical management of diseases in a species selected by the candidate.				
118.704	60 credits	DS	I	PN
Veterinary Radiology				
A personal course covering applied radiography, radiology, ultrasonography and nuclear medicine.				
118.715	30 credits	DS	B1	PN
Epidemiologic Methods 1				
This course describes epidemiological methods used to investigate the magnitude of health problems, identify causal factors and evaluate interventions. Students will gain skills in study design, data analysis and critical evaluations. Examples and case studies will be drawn from a range of species including humans, production animals, companion animals, horses and plants.				
118.716	30 credits	DS	B1	PN
Analysis of Epidemiologic Data 1				
This paper provides students with the basics skills necessary to undertake analysis of data in the health and biosecurity context. Throughout the course students will work with data collected during epidemiological studies (complete with missing data) and will learn how to interpret results in the light of bias, confounding, effect modification and model error.				

		Sem	Mode	Loc
118.717	30 credits	*	*	*
Analysis of Epidemiologic Data 2				
This paper provides students with the skills necessary to undertake analysis of variance (ANOVA), logistic regression and survival analysis of data in the health and biosecurity context. Throughout the course students will work with data collected during epidemiological studies, complete with missing data and systematic bias. Consequently students will learn how to interpret results in the light of bias, confounding, effect modification and statistical error.				
118.718	30 credits	DS	I	PN
Management of Biological Production Systems				
This course covers topics related to animal production management, animal health service provision and animal health economics. The focus is on applying the principles of production monitoring, information management and decision-making processes at farm level in a practical way. A broader context is provided of the structure and operation of veterinary services, industry-level process control, and the importance of animal health economics.				
118.723	60 credits	DS	I	PN
Applied Veterinary Microbiology				
An advanced course in aspects of veterinary bacteriology, virology, mycology and serology by supervised experience, directed reading, detailed studies of selected cases and seminar presentations. Paper 116.721 or equivalent experience is a prerequisite for this course.				
118.724	60 credits	DS	I	PN
Veterinary Diagnostic Pathology 2				
An advanced course in anatomical pathology that includes supervised performance and reporting of necropsies, histopathology, cytology, and detailed study of selected cases.				
118.726	60 credits	DS	I	PN
Veterinary Public Health				
The application of veterinary science to the promotion of human health. Interrelations between agricultural practices and the environment significant to animal and human health. Food safety including undesirable residues and the HACCP concept. Food-borne diseases, zoonoses and emergence of diseases from animal reservoirs. The application of epidemiological principles to the investigation, prevention and control of diseases.				
118.727	60 credits	DS	I	PN
Veterinary Clinical Pathology				
A course in veterinary clinical pathology completed by supervised experience, directed reading, detailed studies of selected cases, tutorials and seminar presentations.				
118.728	60 credits	DS	I	PN
Wildlife Health				
An advanced course that focuses on the application of veterinary pathology, epidemiology and clinical science to the detection and management of disease in wildlife. It includes supervised practical experience, directed reading, detailed case studies and seminar presentations.				
118.729	60 credits	DS	I	PN
Applied Veterinary Parasitology				
An advanced course in aspects of veterinary parasitology by supervised experience, directed reading, practical assignments, detailed studies of selected cases and seminar presentations.				
118.731	60 credits	DS	I	PN
Veterinary Diagnostic Pathology 1				
A course in veterinary diagnostic pathology, which includes supervised performance of necropsies, participation in the routine gross and histological examination of pathological material, and directed study of general pathology.				
118.751	15 credits	*	*	*
Canine and Feline Gastroenterology				
The principles of gastroenterology of dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of diseases of the alimentary system.				
118.752	15 credits	DS	DL	PN
Canine and Feline Endocrinology				
The principles of endocrinology of dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of diseases of the endocrine glands.				
118.753	15 credits	*	*	*
Canine and Feline Oncology				
The principles of oncology of dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of neoplastic disease.				
118.754	15 credits	*	*	*
Diagnostic Imaging for Small Animal Veterinarians				
The principles of diagnostic imaging in small animal practice for veterinary graduates. Principles of radiography and other imaging modalities. Radiologic interpretation of all body systems, primarily of dogs and cats, and integration with case management.				

Sem	Mode	Loc	Credits	Course Title	Description
			15 credits	118.755 Clinical Pathology in Small Animal Practice	The principles of clinical pathology in dogs and cats for veterinary graduates. It includes the indications, application and interpretation of haematological, biochemical, urine, cytological and special testing of dogs and cats.
			15 credits	118.756 Canine and Feline Neurology	The principles of neurology in dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of diseases of the nervous system.
			15 credits	118.757 Cardiorespiratory Medicine for Small Animal Veterinarians	The principles and practice of cardiorespiratory medicine in dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of cardiac and respiratory disease.
			15 credits	118.758 Avian Medicine	The principles and practice of avian medicine in companion birds and aviary collections, for veterinarians. Pathophysiology, diagnosis and management of diseases of birds.
			15 credits	118.759 Ophthalmology in Small Animal Practice	The principles of ophthalmology in dogs and cats for veterinary graduates. Pathophysiology, diagnosis and management of diseases of the eye.
			15 credits	118.761 Canine and Feline Emergency Medicine	The principles and practice of emergency medicine in dogs and cats for veterinarians. Pathophysiology, diagnosis and management of conditions seen in emergency practice.
			15 credits	118.762 Dermatology for Small Animal Veterinarians	The principles of dermatology in dogs and cats for veterinarians. Pathophysiology, diagnosis and management of skin diseases.
			15 credits	118.763 Canine and Feline Orthopedic Surgery	The principles and practice of orthopedic surgery in dogs and cats for veterinarians. Pathophysiology, diagnosis and management of orthopedic diseases.
			15 credits	118.764 Canine and Feline Soft Tissue Surgery	The principles and practice of soft tissue surgery in dogs and cats for veterinarians. Pathophysiology, diagnosis and management of soft tissue diseases.
			15 credits	118.771 Advances in Ruminant Nutrition for Veterinarians	An advanced paper on ruminant nutrition and feeding practices for veterinarians. Principles of microbial digestion in the rumen, absorption and utilisation of nutrients. Practical nutrition for enhancement of animals' performance and health, including critical study of the evaluation of feeds, feed intakes and nutrient requirements. Practical assessments of animal and feed resources; ration formulation. Current developments in ruminant feeding technologies, including genetic modification of feeds and rumen flora.
			15 credits	118.772 Calf Medicine, Health and Management	An advanced paper on specific aspects of calf rearing, health management and medicine for veterinarians. A critical study of the systems and environments utilised in calf rearing, nutrient and health requirements with respect to disease prevention, herd biosecurity, health, welfare and productivity.
			15 credits	118.775 Advanced Mastitis Management for the Production Animal Veterinarian	An advanced paper on mastitis for production animal veterinarians. This paper will provide in-depth study of mastitis causing agents their treatment and control within the herd and at an individual level. It will address the epidemiology of disease, mastitis prevention, herd biosecurity, herd/animal health, welfare and productivity.
			15 credits	118.776 Lameness Investigation and Control for Cattle Veterinarians	An advanced paper on cattle lameness for veterinarians. This paper will provide in-depth study of lameness diagnosis, treatment and control within the herd. It will address the epidemiology of disease, lameness prevention, herd biosecurity, welfare and productivity.
			15 credits	118.777 Veterinary Clinical Reproduction and Fertility	An advanced paper on clinical reproduction for veterinarians. Comparative veterinary reproductive anatomy, physiology, and technology across a range of species. In-depth study of reproductive management in a nominated elective species. Use of scientific literature to inform decision making on reproductive issues.

Sem	Mode	Loc	Credits	Course Title	Description
			15 credits	118.778 Advanced Studies in Equine Lameness for Veterinarians	An advanced paper on applied aspects of equine lameness for veterinarians. Investigation and management of musculoskeletal diseases of horses and foals. Use of scientific literature to inform decision making on equine lameness issues.
			15 credits	118.779 Advanced Studies in Equine Diagnostic Imaging	The principles of diagnostic imaging in equine practice for veterinary graduates. Principles of radiography and ultrasonography. Interpretation of the results of imaging and integration with case management.
			15 credits	118.780 Equine Gastroenterology	An advanced paper on aspects of equine gastroenterology for veterinarians. Investigation, critical care and follow-up management of selected gastrointestinal diseases of horses and foals. Use of scientific literature to inform decision making in equine gastroenterology.
			15 credits	118.781 Marketing Management for Veterinary Practice	A study of the marketing function in Veterinary business, including a range of marketing tools and techniques and their application to marketing situations.
			15 credits	118.782 Introductory Accounting for Veterinary Practice	Accounting functions from a veterinary management perspective. (a) Wealth and its role in organisational purpose, products and strategies; (b) data capture, processing and reporting which enable monitoring of progress toward and enhance prospects of achieving objectives; (c) benchmarking for improving organisational performance; (d) compliance and external reporting (e) other contemporary issues in accounting and management.
			15 credits	118.783 People Management for Veterinary Practice	A study of the behaviour of people in the work environment, including an overview of organisational structure and management theory, together with the issues of motivation, communication, leadership, decision-making, career development, power and organisational change.
			15 credits	118.784 Mediation and Dispute Resolution for Veterinary Practice	This paper will provide an overview of the dispute resolution processes available for preventing and resolving difficulties within the environment of a veterinary practice.
			15 credits	118.785 Principles of Veterinary Epidemiology	Students will study the principles of veterinary epidemiology with an emphasis on learning the skills necessary to critically evaluate the literature for the purposes of evidence-based medicine. Examples and case studies will be drawn from a range of species including production animals, wildlife, companion animals and horses.
			15 credits	118.786 Applied Veterinary Epidemiology	Students will gain the skills necessary to design an epidemiological study in a clinical setting and investigate an outbreak of disease. Examples and case studies will be drawn from a range of species including production animals, wildlife, aquatic species, companion animals and horses.
			15 credits	118.791 Special Topic	
			30 credits	118.792 Special Topic	
			60 credits	118.793 Special Topic	
			30 credits	118.799 Research Report	
			60 credits	118.811 Research Report	A detailed examination of a specific topic within the field of study of the candidate, approved by the Chief Supervisor in advance, which may include aspects of original research, problem investigation, and/or study of pre-existing data or published literature.
			30 credits	118.815 Epidemiologic Methods 2	This course extends the concepts covered in 118.715 Epidemiological Methods 1. The focus of the course is on identifying and quantitatively examining the effects of bias, confounding and interaction. Examples and case studies will be drawn from a range of species including humans, production animals, companion animals, horses and plants.

118.816	30 credits	SS B1 PN
Advanced Analysis of Epidemiologic Data 1		SS I PN
This course provides students with advanced skills to undertake analysis of data in the health and biosecurity context. Techniques covered include linear mixed models, spatial techniques, time series and meta-analysis. Students will work with data collected during epidemiological studies with examples and case studies drawn from a range of species including humans, production animals, aquatic species, companion animals, horses wildlife and plants.		
118.817	30 credits	* * *
Advanced Analysis of Epidemiologic Data 2		
Students will gain advanced skills necessary to analyse data in the health and biosecurity context. Techniques covered include multivariable analysis of data with logistic, Poisson and time-to-event responses, and latent class analysis using the concept of Bayesian statistics. Students will work with real data collected during epidemiological studies with examples and case studies drawn from a range of species including humans, production animals, wildlife, aquatic species, companion animals, horses and plants.		
118.819	30 credits	* * *
Biosecurity Methods		
This is an advanced paper with an emphasis on teaching practical skills. Participants will learn how to undertake quantitative risk assessments, design surveillance systems (including risk based systems) and evaluate the economic costs and benefits associated with various control options. Case studies will be drawn from plant, animal, and aquatic health problems and the control of invasive species.		
118.823	60 credits	DS I PN
Advanced Health and Management of an Animal Species		
Advanced aspects of management and disease in a species selected by the candidate with a view to developing specialised skills dealing with that species. Completion of 195.723 is a prerequisite for the advanced course.		
118.826	60 credits	DS I PN
Advanced Veterinary Surgery		
Advanced aspects of the surgical management of a disease in a species selected by the candidate with a view to developing specialised surgical skills dealing with that species. Course 195.726 is a prerequisite for this course.		
118.827	60 credits	DS I PN
Advanced Veterinary Pharmacology		
A personal course of study in veterinary pharmacology, emphasising applied therapeutics in an animal species chosen by the candidate.		
118.851	45 credits	DS DL PN
Research Report (MVM) (45 credit)		
A detailed examination of a specific topic within the field of study of the candidate, approved by the paper co-ordinator in advance, which may include aspects of original research, problem investigation, and/or study of pre-existing data or published literature.		
118.852	60 credits	DS DL PN
Research Report (MVM) (60 credit)		
A detailed examination of a specific topic within the field of study of the candidate, approved by the paper co-ordinator in advance, which may include aspects of original research, problem investigation, and/or study of pre-existing data or published literature.		
118.853	45 credits	DS DL PN
Advanced Profession Practice in Veterinary Science		
A supervised placement in an approved setting of veterinary practice. Students will observe the work of experts in the selected area of veterinary practice, undertake some work under supervision, and gain experience in using the empirical literature to guide evidence-based decision making and writing reports in the discipline.		
118.897	60 credits	DS I PN
Thesis 120 Credit Part 1		S2 I PN
A supervised and guided independent study resulting in a published work.		
118.898	60 credits	S1 I PN
Thesis 120 Credit Part 2		DS I PN
A supervised and guided independent study resulting in a published work.		
118.899	120 credits	DS I PN
Thesis		
A supervised and guided independent study resulting in a published work.		
118.900	120 credits	DS I PN
PhD Veterinary Science		

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AGRICULTURE AND HORTICULTURE

119.006	15 credits	* * *
Foundation Farm and Industry Study		
A foundation study of farm inputs and products such as meat, milk and fibre, and the application of farm practical experience, technical data, and industry procedures and practices, to contemporary issues facing farmers. Primarily focused within the farm gate, this paper involves individual and group learning and expression.		
119.008	15 credits	* * *
Farm Resources		
119.101	15 credits	* * *
Farm Production Systems		
A detailed analysis of whole-farm systems involving a number of field visits. An analytical approach to problem-solving is developed. Field visits to case farms. This paper must be passed to qualify for the award of the Diploma in Agriculture		
119.106	15 credits	* * *
Farm and Industry Study		
An introductory study of farm inputs and products such as meat, milk and wool, and the application of farm practical experience, technical data, and industry procedures and practices, to contemporary issues facing farmers. Focused both within and beyond the farm gate, this paper involves individual and group learning and expression.		
119.116	15 credits	DS I PN
Farm Management		
An introduction to farm management principles and the application of techniques for planning, implementation, and control of, agricultural systems. A study of New Zealand farms as social, economic and business units. Decision-making about land, labour, and capital, in the context of farming uncertainty. Visits to farms provide case-studies for aspects of farm management		
119.150	0 credits	S1 DL PN
Practicum I		SS DL PN
Industry experience for at least ten consecutive weeks in a public or private business related to the land-based industries. A descriptive report demonstrating satisfactory observational, analytical and reporting skills is required.		
119.153	15 credits	S1 I PN
Chemistry and Physics		
A study of introductory chemistry and physics with associated demonstrations of their role in, or application to, life processes. Energy provides a common theme for this integration of both sciences. The curriculum is linked to paper 119.154 Molecules to Ecology. Essential for students with little previous knowledge of scientific principles wishing to study applied biological science.		
119.154	15 credits	S2 I PN
Molecules to Ecology		
An integrated study of organic chemistry, biochemistry, cell biology, biological organisation and ecology with simultaneous demonstration of their involvement in life processes in natural and harvested ecosystems. Suitable for students with previous knowledge of introductory chemistry and physics wishing to concentrate in an applied biological science.		
119.155	15 credits	S1 I AL
Communication in the Sciences		S1 I PN
A paper designed to introduce science students to the communication skills required for a science-related career. Students will learn how knowledge is made in science, how science documents are developed to communicate to a target audience, and how to work within a team in a science-related context. Students will develop skills in information literacy, rhetorical analysis, report writing, developing a position paper, presenting information to an audience through a structured seminar, accurate integration of secondary source material (primary, secondary and tertiary literature), team analysis and appropriate scientific style (clarity, concision, correctness, and narrative technique).		
119.170	15 credits	S1 DL PN
Māori Value Systems in Science		S2 DL PN
An introduction to the value systems of Māori, especially as they apply to science, the environment and food products. Topics covered include whakapapa, tikanga, kaitiakitanga, iwi/hapu/whanau structures and their relationships to present-day systems. The impacts of Te Tiriti o Waitangi and selected legislation on Māori and science will also be discussed.		
119.177	15 credits	S2 DL AL
Written Communication for Information Sciences		S2 I AL
Students learn to express their ideas effectively in writing in a manner appropriate to both the university and the information technology industry. Regular and focused writing practice is an essential component of the paper.		

AGRISCIENCE

119.180 **15 credits** S2 DL PN
Introduction to Agribusiness S2 I PN

An introduction to New Zealand agribusiness in a global context. The macro-environment and its impact on strategy and structure. The role and functions of management in agribusinesses. Descriptive frameworks for defining the impact of agribusiness inventory on liquidity, wealth and profit.

AGRICULTURAL AND HORTICULTURAL SYSTEMS MANAGEMENT

119.208 **15 credits** * * *
Farm Resources

A study of the land, labour, capital and management resources of farms. This paper has field laboratories at case study farms.

AGRICULTURE AND HORTICULTURE

119.250 **0 credits** S1 DL PN
Practicum II SS DL PN

Industry experience for at least ten consecutive weeks in a public or private business related to the land-based industries. A detailed, investigative report identifying and analysing opportunities, problems, policies and technical and research issues is required.

119.258 **15 credits** S2 DL PN
Agricultural Systems S2 I PN

An interdisciplinary study of agricultural systems to describe and analyse the relationships within system components. Analysis of the inter-relationships within agricultural systems, including the sub-systems for primary production, processing, marketing and policy, and the relationships of these systems within their environment.

AGRISCIENCE

119.281 **15 credits** S1 I PN
Decision Tools for Primary Industries DS DL PN

Application of decision tools for farm systems analysis at the tactical level. Analytical frameworks to assist decision-making in finance, human resources, production and marketing.

AGRICULTURE AND HORTICULTURE

119.292 **15 credits** S1 DL PN
Special Topic S1 I PN
 DS DL PN
 S2 DL PN
 S2 I PN
 SS DL PN

AGRISCIENCE

119.358 **15 credits** DS DL PN
Agricultural Production Systems DS I PN

An interdisciplinary study of agricultural, horticultural or equine systems. Case studies are used to integrate student's knowledge of the production system, the human factors associated with it and the context in which it operates.

AGRICULTURE AND HORTICULTURE

119.373 **15 credits** S2 I PN
Integrative Studies

An integrative paper designed to emphasise the importance of the broad knowledge base gained in the degree and the value of multidisciplinary teams in addressing the issues and problems of importance to the industries served by the degree. Emphasis will be placed on the application of knowledge to problem-solving, group learning and problem-solving strategies and communication in the context of applied science. Real-world problems will be used.

AGRISCIENCE

119.381 **15 credits** S1 DL PN
Decision-Making in Primary Industry S1 I PN

A practical approach to strategic management and entrepreneurship in primary industry. An exploration, through in-field case studies, of business analysis, financial management and decision making and strategic risk analysis.

AGRICULTURAL AND HORTICULTURAL SYSTEMS MANAGEMENT

119.382 **15 credits** S2 DL PN
Opportunity Analysis in Primary Industry S2 I PN

An in-depth study of opportunities for farm/horticultural investment. An exploration, through in-field case studies, of whole farm system management and tactical risk analysis, alternative pathways to ownership and farm purchase

and finance. A selection of topics in legislation affecting farm and horticultural businesses.

AGRICULTURE AND HORTICULTURE

119.392 **15 credits** S1 DL PN
Special Topic S1 I PN
 DS DL PN
 S2 DL PN
 S2 I PN
 SS DL PN

119.710 **30 credits** DS DL PN
Nutrient Management in Grazed Pasture Systems

An advanced, integrated study of the environmental and management factors influencing the cycling of nutrients in grazed pasture production systems. Contemporary production systems are analysed and strategies devised to maximise the efficiency of nutrient use (including fertiliser recommendations) in pasture and supplementary feed production and animal nutrition. Financial risks associated with farm management strategies that minimise environmental risk are assessed.

119.711 **15 credits** S1 DL PN
Nutrient Management in Arable Systems

An advanced integrated course of study on the environmental and management factors, including soils, establishment systems and fertiliser application, influencing the cycling of nutrients in, and loss of nutrients from, arable production systems. Crop growth models. Crop decision support systems for nutrient management and fertiliser recommendations.

119.715 **15 credits** * * *
Sustainable Agricultural Systems

The analysis, design and implementation of food and fibre production systems that minimise environmental threats while recognising farmer objectives; identification and evaluation of externalities in primary production systems; issues related to ecological and social impact in agriculture; property rights, land ownership and obligation to future generations; government policies and other factors influencing land use at the farm level.

119.720 **15 credits** S1 I PN
Applied Agriculture Research Methods

Preparation for applied research in the primary industries. Problem or opportunity identification; collection and analysis of both quantitative and qualitative data; ethical considerations. Project management and communication.

119.728 **15 credits** S1 DL PN
Research Practice S1 I PN

Research practice for research students in science, applied science, technology and veterinary science. Topics include: philosophy of science; research ethics; literature search and review techniques; project development and management; scientific writing; oral presentation skills; vocabulary of statistics; introduction to quantitative data analysis; and completion of a research proposal. Emphasis is placed on effective communication of science.

119.729 **15 credits** S1 DL PN
Research Methods S1 I PN

Research methods for students whose research focuses on the human-science interface and human applications of science. The paper includes foundations of science, ethics, the scientific method, and systems approaches to problem-solving and research; selection of appropriate research methods, including survey methods, case studies, enterprise/project analysis, and modelling; analysis and presentation of research results and communication skills.

119.731 **15 credits** S2 DL PN
Topics in Agricultural Extension and Consultancy S2 I PN

This paper focuses on extension and consultancy theory and its application in commercial farming and horticulture. The design, implementation and evaluation of extension and consultancy programmes; managing an agricultural consultancy business; codes of practice (ethics); current and emerging extension and consultancy issues. Case studies of local agricultural consultancies.

119.751 **30 credits** DS DL PN
Advanced Farm and Horticultural Management DS I PN

Studies related to the principles of farm and/or horticultural management using case studies of farm and/or horticultural businesses; risk analysis and management; personnel management; development of business plans; financial management; opportunity analysis.

119.791 **15 credits** S1 I PN
Special Topic

119.792 **15 credits** S1 I PN
Special Topic

119.797 **30 credits** DS I PN
Special Topic

AGRICULTURE / HORTICULTURE PLANTS

119.820	60 credits	S1	I	PN
Applied Agriculture Research Report		S2	I	PN
Candidates will undertake an applied research project within the subject area in which the Master of Agriculture is being completed. A project report must be submitted to and approved by the candidate's supervisor.				

AGRICULTURE AND HORTICULTURE

119.885	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
119.886	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
119.887	60 credits	DS	I	AL
Research Report		DS	I	PN
		DS	I	WL
119.888	90 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
119.889	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
119.890	60 credits	S1	I	PN
Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
119.891	60 credits	S1	I	PN
Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
119.900	120 credits	DS	I	AL
PhD Agriculture and Horticulture		DS	I	PN
		DS	I	WL
119.999	120 credits	DS	I	PN
Doctor of Science Thesis				

120**PLANT BIOLOGY**

120.101	15 credits	DS	DL	PN
Biology of Plants		S2	I	AL
An integrated study of the structure, function and diversity of plants. Topics include: anatomy and morphology; maintenance of the organism (nutrition, photosynthesis, respiration and transport); growth and development; co-ordination and regulation of growth; effects of environment on growth and development; reproduction; floral biology; plant systematics and plant diversity; plant breeding, biotechnology, and genetic engineering.				
120.217	15 credits	S1	I	PN
Plant, Cell and Environment				
A study of the growth, development and functioning of plants and their interaction with the physical environment with reference to the soil-plant-atmosphere continuum and mineral nutrition. Plant responses to environmental extremes such as waterlogging, salinity, mineral toxicities, elevated CO ₂ and UV radiation will be covered.				
120.218	15 credits	S2	I	AL
The Flora of New Zealand		S2	I	PN
The place of the New Zealand flora in a world context. This paper considers the origins and relationships of the New Zealand flora, plant distributions, adaptive features, morphology, anatomy and reproduction, along with a consideration of plant communities.				
120.219	15 credits	S1	I	PN
Plants and People				
This paper will cover plants as sources of food and beverage, medicine, fibres and dyes, how plants were domesticated and how breeding has improved plant crops. The cultural and geographic origins of commercially important plants will also be covered.				

120.301	15 credits			
Physiological and Molecular Plant Biology				
Modern developments in plant biology are covered, including topics such as plant-pathogen interactions, the regulation of plant growth and development by plant hormones, photo-morphogenesis, symbiotic associations, and nitrogen fixation. The practical component of the paper includes visits to local research laboratories and emphasises modern experimental methods and instrumentation.				
120.302	15 credits	S2	I	PN
Plant Development				
Diverse patterns of plant development that were initially described from cytological and morphological perspectives are beginning to be understood at a mechanistic level through the use of molecular and genetic techniques. This paper provides an introduction to classic literature pertaining to different aspects of plant development and integrates it with more recent molecular genetic studies. The role of plant hormones and other signalling molecules in plant developed is also covered.				
120.303	15 credits	S2	I	PN
Plant Biodiversity				
This course begins with a historical perspective outlining classic problems of evolutionary biology that are important for understanding plant biodiversity. The nature of morphological variation is discussed, as are molecular marker systems and modern techniques currently being used to investigate the evolution of plant biodiversity. Research is highlighted from studies of genetic, morphological and ecological diversity. Hypotheses concerning patterns of plant species diversification and distribution are critically discussed. Model and non-model plants are considered in terms of the insight that their study is providing into understanding morphological and ecological diversification. The relevance of these findings for historical questions, understanding and conservation of biodiversity is discussed.				
120.304	15 credits	S1	I	PN
Plant Biotechnology				
An overview of modern methods by which plants can be modified to provide new genetic material for use in agriculture, horticulture, forestry and industry. This paper links basic and applied science and focuses on the dramatic progress being made in plant tissue culture, recombinant DNA technology, QTL analysis and marker-assisted selection. Emphasis is on both prospects and limitations, and includes discussion of environmental, ethical and regulatory issues				
120.713	30 credits	S1	I	PN
Advanced Topics in Plant Biology				
The paper will involve use of the current literature to critically examine the experimental systems used to advance knowledge in Plant Biology.				
120.714	15 credits	S2	I	AL
Botanical Evolution		S2	I	PN
This paper discusses at an advanced level, current topics and issues important for understanding plant evolution, and the evolutionary response of plants to environmental change.				
120.715	30 credits	DS	I	PN
Advanced Topics in Evolutionary Genetics				
The paper covers the history of landmark discoveries and progression of theory in genetics over the last century.				
120.791	30 credits	DS	I	PN
Special Topic				
120.793	15 credits	DS	I	PN
Special Topic				
120.798	30 credits	DS	I	PN
Research Report				
120.870	60 credits			
Research Report				
120.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
120.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
120.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
120.897	60 credits	DS	I	PN
Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
120.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2		DS	I	PN
A supervised and guided independent study resulting in a published work.				

120.899 **120 credits** DS I PN
Thesis
 A supervised and guided independent study resulting in a published work.

120.900 **120 credits** DS I PN
PhD Plant Biology

121

ENVIRONMENTAL SCIENCE

121.103 **15 credits** S2 DL PN
New Zealand Environments S2 I PN

An introductory environmental course describing the plants, animals, geology, and landscapes of New Zealand. Emphasis is placed on assembly of the biota, interrelations between the physical and biotic environments, and the influence and place of people.

121.211 **15 credits** S1 I PN
New Zealand Environmental Issues S2 DL PN

A consideration of environmental issues that affect New Zealand, particularly at the present time. It will include deforestation, soil erosion, pollution of air, land and water with industrial and agricultural pollutants, and conservation.

121.212 **15 credits** DS B1 PN

Environmental Science Field Work I

Two one-week field trips within New Zealand to examine issues of national and global significance to the environment.

121.311 **15 credits** S2 DL PN
Global Environmental Issues S2 I PN

A consideration of environmental issues that affect, or may affect in the future, the global ecosystem. It will include the 'Enhanced Greenhouse Effect', the 'Ozone Hole', destruction of the rainforest, desertification, population control, ocean pollution, sustainability of agriculture and fisheries.

121.312 **15 credits** DS B1 PN

Environmental Science Field Work II

Two one-week field trips within New Zealand to examine issues of national and global significance to the environment.

121.313 **15 credits** S1 I PN

Applied River Management

The course covers the principles and methodology of river resource management. It integrates ecology, hydrology, geomorphology and water quality to understand how river ecosystems function and how they may be managed to maximise societal and environmental benefit.

122

BIOCHEMISTRY

122.102 **15 credits** S2 I AL
Biochemistry of Cells S2 I PN

A foundation course that introduces molecular aspects of the cellular processes occurring in humans, animals, microbes and plants. An exploration of the molecules of life, proteins and enzymes in action, energy for living and energy storage with applications to the environment, health and disease, biotechnology, nutrition, sport and exercise. Theoretical aspects are supported by a practical laboratory programme.

122.222 **15 credits** S2 I PN

Biochemistry for Technology

A foundation course that introduces molecular aspects of the cellular processes occurring in humans, animals, microbes and plants. An exploration of the molecules of life, proteins and enzymes in action, energy for living and energy storage with applications to the environment, health and disease, biotechnology, nutrition, sport and exercise. Theoretical aspects are supported by a laboratory programme focused on proteins and enzymes and their uses in diagnosing disease.

122.231 **15 credits** S1 I AL
Genes and Gene Expression S1 I PN

Structure of DNA. Replication, DNA repair and transcription. Regulation of prokaryotic gene expression. Technologies used in the study of genes and gene expression: plasmids, sequencing, restriction enzymes, libraries, PCR, Southern, northern and western analysis, expression vectors and the production of recombinant proteins. A practical course that illustrates concepts presented in the lectures.

122.232 **15 credits** S2 I PN

Protein Biochemistry

Protein biosynthesis, structure and function. Topics will include protein translation, folding, targeting and post-translational modification, the relationship between

protein structure and function, enzyme kinetics, mechanisms of enzyme catalysis and control, membranes and membrane proteins. Lectures will be complemented with a practical course focused on developing the appropriate skills to investigate proteins.

122.233 **15 credits** S2 I AL

Metabolic Biochemistry

Energy metabolism. Biosynthesis of carbohydrates and the metabolism of polysaccharides. Lipid metabolism. Nitrogen metabolism. Integration and regulation of carbohydrate, lipid and amino acid metabolism. Cellular communication systems.

GENETICS

122.303 **15 credits** S2 I PN

Gene Regulation

An advanced course on gene regulation. Topics include methods and experimental strategies for studying gene promoters and associated transcription factors, transcription initiation, transcription activation, role of chromatin structure in gene regulation, RNA processing and cytoplasmic control.

BIOCHEMISTRY

122.322 **15 credits** S1 I PN

Protein Structure and Function

The structural and biochemical basis of protein function will be explored with an emphasis on techniques of protein isolation and purification, current methods of protein analysis, enzyme function and kinetics, protein folding and molecular interactions. A laboratory and computer-based practical course in protein purification and analysis reinforces the theoretical aspects of the paper.

122.327 **15 credits** S2 I PN

Cellular and Molecular Biochemistry

Selected cellular processes and systems will be explored at the molecular level. These include nutrient control of metabolism, protein turnover, signalling systems in health and disease, molecular immunology and molecular transport systems. A laboratory course in contemporary biochemical techniques aimed at preparation for postgraduate research in cellular and molecular biochemistry.

122.342 **15 credits** * * *

Protein Biotechnology

Aspects of the structure-function relationships of proteins including folding, structural motifs, ligand binding, properties exploited in purification, analytical techniques, uses and applications of proteins in biotechnology.

122.382 **15 credits** S1 DL PN

Clinical Biochemistry

The biochemistry of human tissues with particular emphasis on disease detection. The practical course will include analytical methods and specialised techniques applied to clinical chemistry.

GENETICS

122.703 **30 credits** S1 I AL

Gene Expression

Advanced studies of selected topics in gene regulation at transcriptional and post-transcriptional levels.

BIOCHEMISTRY

122.704 **30 credits** S2 I AL

Molecular Cell Biology

Advanced studies of selected topics in inter- and intra-cellular communication and transport.

122.713 **15 credits** S1 I AL

Advanced Topics in Biochemistry

The paper will involve use of the current literature to critically examine the experimental systems used to advance knowledge in Biochemistry.

S2 I AL

S2 I PN

122.791 **30 credits** DS I AL

Special Topic

DS I PN

122.792 **15 credits** DS I AL

Special Topic

DS I PN

122.798 **30 credits** DS I AL

Research Report

DS I PN

122.870 **60 credits** * * *

Research Report

122.871 **45 credits** S1 I AL

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published work.

S2 I AL

S2 I PN

		Sem	Mode	Loc
122.872	45 credits	S1	I	AL
Thesis 90 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work		S2	I	AL
		S2	I	PN
122.875	90 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
122.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.		S2	I	AL
		S2	I	PN
122.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.		DS	I	AL
		DS	I	PN
		S2	I	AL
		S2	I	PN
122.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
122.900	120 credits	DS	I	AL
PhD Biochemistry		DS	I	PN

123

CHEMISTRY

123.001	24 credits	*	*	*
Foundation Studies in Chemistry				
This paper provides a preliminary course in chemistry designed for students with little experience of learning chemistry in English. The basic concepts of chemistry will be covered in relation to phenomena encountered in everyday life. Emphasis is placed on reading, writing and discussing chemistry in English. A laboratory course gives practice at handling chemicals and scientific equipment.				
123.011	15 credits	*	*	*
Foundation Studies in Chemistry				
This paper provides a preliminary course in chemistry designed for students with little experience of learning chemistry in English. The basic concepts of chemistry will be covered in relation to phenomena encountered in everyday life. Emphasis is placed on reading, writing and discussing chemistry in English. A laboratory course gives practice at handling chemicals and scientific equipment.				
123.013	45 credits	*	*	*
Elementary Science and Mathematics				
Chemistry, including atomic and molecular structure, bonding, chemical equilibria, acids and bases, introduction to organic chemistry. Physics, including force, work, energy, heat, light and electricity. Mathematics, including linear and simultaneous equations and statistics.				
123.101	15 credits	S1	I	AL
Chemistry and Living Systems		S1	I	PN
This paper takes a wide range of examples from everyday life to illustrate concepts of organic and biological chemistry. The structure, properties and reactions of organic compounds, identification of organic compounds using spectroscopy, and the mechanisms of organic reactions are covered. It also introduces the concepts of chemical equilibrium, particularly as they are applied to acids and base, and chemical kinetics.				
		SS	DL	PN
123.102	15 credits	S2	I	AL
Chemistry and the Material World		S2	I	PN
This paper discusses the central role of energy dispersal in determining spontaneous physical and chemical changes. Fundamental bonding theories will be used to rationalize molecular structures. Transition metal chemistry will be used to illustrate these concepts. The importance of intermolecular forces, atomic structure and properties of elements is emphasised, and modern methods and applications are introduced.				
		S2	I2	PN
123.103	15 credits	S2	I	AL
Introductory Chemistry		S2	I	PN
An introductory course in chemistry suitable for students with little previous experience in the subject. The basic concepts of chemistry, including atoms and molecules, the periodic table, chemical reactions, and chemical energetics, are taught with contextual references to everyday life.				
		SS	B3	AL
		SS	B3	PN
		SS	DL	PN

ENGINEERING

		Sem	Mode	Loc
123.171	15 credits	S1	I	AL
Chemistry for Biological Systems 1		S1	I	PN
The chemistry of biological and engineering materials under-pin all food and chemical processing industries. This course extends NCEA Level 3 chemistry to facilitate this with a particular focus on the structure, properties and reactions of organic compounds. This is a required course for all Chemical and Bioprocess Engineering major and Food Technology students, who will, through tailored extension workshops apply chemical fundamentals to problems in a suitable context.				
		S2	I1	AL
123.172	15 credits	S2	I	AL
Chemistry for Biological Systems 2		S2	I	PN
This paper introduces the Chemistry of biological and engineering materials that applies to all food and chemical processing industries. This course extends 123171 Chemistry with a particular focus on the properties and reactions of engineering and biological materials. Specifically principles of thermodynamics, properties of matter and application to electrochemical processes and biochemical transformations at a molecular level are introduced.				
		S2	I1	AL
123.201	15 credits	S2	I	AL
Chemical Energetics		S2	I	PN
This paper introduces the laws of thermodynamics which govern the equilibrium yield of any chemical reaction, and considers the factors that influence the rates of chemical reactions. Specific examples of industrial and biochemical processes, including surface processes, will be considered.				
123.202	15 credits	S2	I	PN
Organic and Biological Chemistry				
Students will find out how to apply simple principles to understand the reactions of organic and biological molecules. This will provide the knowledge needed to predict how organic reactions work and to understand the related biological processes. Students will also be given the tools to identify a variety of different molecules. The laboratory course will cover the making and identification of organic materials, using the principles that have been learned in the lecture course.				
123.203	15 credits	S1	I	PN
Inorganic Chemistry and Modelling				
Topics in inorganic chemistry including transition metal complexes, organometallic chemistry, bioinorganic chemistry, and main group chemistry. An introduction to symmetry, molecular orbital theory, and computational chemistry.				
123.204	15 credits	S1	I	PN
Chemical and Biochemical Analysis				
A paper that introduces the underlying concepts and practical methodologies used for the analysis of chemical and biochemical compounds. Both qualitative and quantitative aspects of chemical and biochemical analyses using a range of spectroscopic and laboratory techniques will be studied.				
123.206	15 credits	S1	I	AL
Environmental and Analytical Chemistry				
A paper that introduces the underlying concepts and practical methodologies used for the qualitative and quantitative analysis of chemical and biochemical compounds. An introduction to geochemistry and the chemistry of the atmosphere.				
123.210	15 credits	S2	I	AL
Organic Chemistry Perspectives				
Aspects of organic chemistry relevant to important biological, pharmaceutical, environmental and nutrition molecules including organic reactions, reaction mechanisms, computational organic chemistry and reaction outcomes, determination of structure using analytical techniques. A course of practical work to complement the lecture material.				
123.220	15 credits	S2	I	SP
Advanced Chemistry for Technology				
A practical approach to the principles and practices in organic, biological, and physical chemistry (thermodynamics and kinetics, structure, reactions and mechanism) and their selected applications to industrial, technological and biological systems, including food. Lectures are complemented by a course of laboratory work.				
123.271	15 credits	S1	I	AL
Molecules to Materials		S1	I	PN
The chemistry of biological and engineering materials under-pins all food and chemical processing industries. This course extends the chemistry introduced at 100-level to facilitate a fundamental understanding of aqueous solutions, organic, inorganic and polymer chemistry relevant to food and engineering materials, and soft materials such as gels and colloids.				
123.310	15 credits	S2	I	AL
Advanced Concepts in Organic Chemistry				
Computational aspects related to organic chemistry. Structure, reactivity, synthesis, retrosynthesis, structure determination by analytical methods. Mechanism of organic reactions and chemistry of heterocyclic and main group elements. An				

emphasis on the application of organic reactions to engineer molecules of interest in the chemical, biochemical and pharmaceutical fields. Lectures are complemented by an intensive laboratory experience.

123.311 15 credits S1 I PN

Advanced Physical and Analytical Chemistry

Principles and applications of advanced chromatography and radiative methods and techniques, as applied to analytical chemistry. Intermolecular interactions and applications to physical and chemical properties of fluids (gases, liquids and supercritical fluids), non-electrolyte solutions and solutions of electrolytes. Principles of heterogeneously catalysed reactions and their applications to industrial processes. A course of practical work to complement the lectures.

123.312 15 credits S1 I PN

Advanced Organic Chemistry

Structure, reactivity and synthesis of organic molecules, retrosynthetic analysis, reactive intermediates, stereoelectronic effects, heterocyclic chemistry and nuclear magnetic resonance spectroscopy (NMR) including 2D and multinuclear experiments. The emphasis is on understanding organic reactions, utilizing them to make molecules of interest, and structural characterization by NMR. Lectures are complemented by problem solving sessions and a laboratory course which includes a small project.

123.313 15 credits S2 I PN

Advanced Inorganic Chemistry

The applications of group theory methods for molecular orbital theory and spectroscopy for inorganic systems including vibrational, electronic and spin spectroscopy. The chemistry of coordination and organometallic compounds including reaction mechanisms of d-block elements, homogeneous and heterogeneous catalysis, metal-metal bonded systems and f-block elements. A course of practical work to complement the lectures.

123.325 15 credits S2 I PN

Advanced Materials and Nanoscience

The study of materials on the nanometre scale. The physical principles underlying their properties as illustrated by quantum dots and nanotubes. Experimental techniques including scanning probe microscopy and surface spectroscopy. Applications to solar energy conversion and storage. A course of laboratory experiments will complement the lecture material.

123.326 15 credits S2 I PN

Advanced Chemical Biology

The fundamental molecules of life with an examination of the chemical basis for their biological functions. The fundamentals of chemical and biological catalysis will be explored, and the actions of drug molecules as mimics or inhibitors of bioprocesses will be discussed. Physical aspects and energetics will be addressed. A laboratory programme and written and oral assignments will complement the lecture material.

123.331 15 credits S1 I AL

Advanced Physical and Computational Chemistry

The application of quantum theory to molecular and atomic structure and spectroscopy. The use of symmetry in chemistry. Statistical and dynamical theories describing molecular behaviour and reactivity. The systematic application of computational chemistry methodology to chemical systems. A course of practical work to complement the lectures.

123.332 30 credits DS I AL

Advanced Topics in Chemistry

A project in an area of chemistry aimed at preparation for postgraduate research in chemistry. A selection of modules (4 maximum) covering areas of Inorganic, Physical, Environmental, Analytical and Organic chemistry.

123.711 30 credits DS I AL

Research Methods in Chemistry and Nanoscience

Four compulsory modules covering research project development and computational methods in science; two modules selected from: statistical methods for data acquisition/handling, BioNMR, single molecule techniques and polymer physics and/or a relevant topic to be negotiated.

123.712 30 credits DS I PN

Advanced Nanoscience and Physical Chemistry

A selection of modules covering topics in structural diffraction methods, structural methods in biochemistry, supramolecular chemistry and self-assembly, anion receptor chemistry, sustainable chemistry, statistical mechanics, surface analysis, spin transition/activation of small molecules in chemistry and biochemistry, and or a topic to be negotiated with the lecturer.

123.713 30 credits DS I AL

Advanced Chemical Synthesis

A selection of modules (6 maximum) covering topics in advanced synthetic chemistry, peptides for biological applications, drug design and delivery, modified nucleic acids as probes in life sciences, activation of small molecules in chemistry and biological chemistry AND/OR a topic to be negotiated with the lecturer.

123.792 30 credits DS I AL

Special Topic

DS I PN

123.798 30 credits

Research Report

123.870 60 credits

Research Report

123.871 45 credits

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published work.

123.872 45 credits

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published work.

123.875 90 credits

Thesis

A supervised and guided independent study resulting in a published work.

123.897 60 credits

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

123.898 60 credits

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

123.899 120 credits

Thesis

A supervised and guided independent study resulting in a published work.

123.900 120 credits

PhD Chemistry

124

PHYSICS

124.001 24 credits * * *

Foundation Studies in Physics

This paper provides a preliminary course in physics designed for students with little experience of learning physics in English. The basic concepts of physics that are covered include: scientific method and measurement, vectors, kinematics, dynamics, equilibrium, work and energy, rotation, simple harmonic motion, waves, electrostatics and electric circuits. Emphasis is placed on reading, writing and discussing physics in English. The laboratory course gives practice at handling scientific equipment as well as gathering and processing physical data.

124.011 15 credits * * *

Foundation Studies in Physics

This paper provides a preliminary course in physics designed for students with little experience of learning physics in English. The basic concepts of physics that are covered include: scientific method and measurement, vectors, kinematics, dynamics, equilibrium, work and energy, rotation, simple harmonic motion, waves, electrostatics and electric circuits. Emphasis is placed on reading, writing and discussing physics in English. The laboratory course gives practice at handling scientific equipment as well as gathering and processing physical data.

124.100 15 credits S2 I AL

Introductory Physics

Philosophy of scientific measurement and method. Kinematics. SS B3 AL
Dynamics. Equilibrium. Vectors (momentum and force). Work and SS B3 PN
energy. Transmission of energy by wave motion. Light and sound. DC SS DL PN
electric circuits.

124.101 15 credits * * *

Physics I(a)

Translational kinematics. Mechanics. Fluids. Thermodynamics. Basic electrical circuits. Special relativity. A laboratory course based on the above.

124.102 15 credits S2 I AL

Physics I(b)

Advanced Mechanics, Simple Harmonic Motion, Thermodynamics, Waves, Interference and Diffraction, Magnetic fields and electromagnetism, AC circuits. A laboratory course based on the above.

124.111 15 credits S1 I AL

Physics for Life Sciences

Describing motion. Forces and torques, work and energy in biological and non-biological system. Heat energy - its production and transfer in animals. Stress,

DS I AL

DS I PN

DS I AL

DS I PN

S1 I AL

S1 I PN

S2 I AL

S2 I PN

S1 I AL

S1 I PN

S2 I AL

S2 I PN

DS I AL

DS I PN

DS I AL

DS I PN

S2 I AL

S2 I PN

S1 I AL

S1 I PN

DS I AL

DS I PN

S2 I AL

S2 I PN

DS I AL

DS I PN

DS I AL

DS I PN

strain and the strength of biological material. Ideal Gas Law. Flow of fluids in tube. Light, sound and their biological detection. DC and AC electric circuits. Acoustics and ultrasound. Ionising radiation. Biomedical instruments. A laboratory course based on the above which includes the use of basic statistics in the interpretation of data and illustration of the scientific method.

124.129 **15 credits** S2 | AL
Astronomy S2 | PN

Astronomy is an ancient yet still vibrant field of study. This paper introduces students to the basic heavenly bodies: planets, stars and galaxies and more exotic objects such as quasars and black-holes. Modern topics such as dark matter and extra-solar planets are included. Observational exercises including telescopes form part of the assessment

ENGINEERING

124.171 **15 credits** S1 | AL
Physical Principles for Engineering & Technology 1 S1 | PN

Engineering and technology solutions are designed by applying underlying physical principles. This course extends NCEA Level 3 physics to facilitate this, with a particular focus on linear mechanics, thermophysics and electric circuits. This is a required course for all Engineering and Food Technology students, who will, through tailored tutorial problems and extension activities study physical problems in a suitable context.

124.172 **15 credits** S2 | AL
Physical Principles for Engineering & Technology 2 S2 | PN

Engineering and technology solutions are designed by applying underlying physical principles. This course extends NCEA Level 3 and 124.171 physics to facilitate this, with a particular focus on advanced mechanics, thermodynamics, simple harmonic motion, magnetic fields and electromagnetism, AC circuits. This is a required course for all Engineering and Food Technology students, who will, through tailored tutorial problems and practical laboratory sessions study physical problems in a suitable context.

PHYSICS

124.226 **15 credits** S1 | AL
Quantum and Statistical Physics S2 | PN

Kinetic theory and introductory statistical mechanics, introductory quantum physics. A course of laboratory work related to the above.

124.229 **15 credits** S1 | PN
Special Relativity and Cosmology

The empirical basis for special relativity, the Lorentz transformation, the paradoxes, Hubble's law, the cosmological principle, the empirical basis for cosmological theories, the Big Bang Theory, the Steady State Theory. A course of laboratory work related to the above.

124.230 **15 credits** S2 | PN
Biophysics

The physics of biological systems. Modern physical techniques applied to biological systems. A course of related laboratory/literature work.

124.233 **15 credits** S1 | PN
Classical Mechanics and Waves

Classical and Lagrangian mechanics, Physics of waves and vibrations. A course of laboratory work related to the above

124.261 **15 credits** S2 | AL
Nonlinear Physics and Chaos

Nonlinear processes in mechanics, fluid dynamics, population and reaction dynamics, analytical mechanics, iterated maps, fractals, differential equations, phase space, bifurcation, strange attractors, numerical methods appropriate to the above topics.

124.316 **15 credits** S2 | PN
Advanced Experimental Physics

A course in experimental physics comprising laboratory work.

124.325 **15 credits** S1 | PN
Advanced Quantum Physics

Wave mechanics, atomic physics, solid state physics.

124.327 **15 credits** S1 | PN
Modern Statistical Physics and Thermodynamics

Modern concepts and methods of statistical mechanics, their applications in physics and to interdisciplinary problems. Thermodynamics.

124.332 **15 credits** S2 DL PN
Classical Fields S2 | PN

A course in classical electromagnetism and the mathematics required for the development of the theory. Vector calculus and integral theorems. Maxwell's equations in integral and differential forms. Wave equations and solutions. Waveguides and antennas. Curvilinear co-ordinates. Tensors.

124.350 **15 credits** S1 | AL

Computational Physics

Popular techniques of computational physics including numerical integration, optimisation, Markov chains, molecular dynamics in the context of classic physical systems such as spin models, electromagnetism and the Schrodinger equation. The adaptation of these algorithms to parallel computers.

124.712 **15 credits** DS | PN

Condensed Matter Physics

Selected topics of solid-state physics: crystal lattices and band structure, thermodynamic and electronic properties of materials, elementary transport processes. Macroscopic Quantum Phenomena: superfluidity, superconductivity, magnetism.

124.721 **15 credits** DS | PN

Quantum Mechanics and Group Theory

Group representations, irreducible representation, group character, Wigner-Eckart theorem. Dirac formalism. Unitary displacement operators, SU(n) symmetries. Angular momentum matrices, rotations, generalised rotation operators. Spinor and vector particles. Angular correlations. Product representations. Clebsch-Gordon coefficients. Hadron symmetries. Quantum statistics: density operator and dynamical evolution.

124.722 **15 credits** DS | PN

Relativistic Quantum Mechanics and Field Theory

Lorentz covariance. Four-vectors, electromagnetic fields and Maxwell's equations in four-vector formalism. Klein-Gordon Equation, Dirac equation and Spinors. Feynman diagrams. Second quantisation, oscillators and canonical formulation. Scattering. Symmetries and the gauge principle.

124.761 **15 credits** DS | PN

Topics in Statistical Physics and Random Processes

Random data: mean square values, probability density functions, autocorrelation functions, power spectral density functions, levels crossing. Descriptions and applications. The Optical Field: intensity fluctuations. Coherence. Nonlinear dynamics and chaos. Phase transitions, critical phenomena, mean field theory.

124.762 **15 credits** DS | PN

Chemical Physics

Topics drawn from representative areas of Chemical Physics including: theoretical methods and algorithms; gas phase dynamics and structure; condensed phase dynamics, structure and thermodynamics; surfaces, interfaces and materials; polymers, biopolymers and complex systems.

124.791 **15 credits** DS | PN

Special Topic

124.792 **30 credits** DS | PN

Special Topic

124.798 **30 credits** DS | PN

Research Report

124.799 **30 credits** DS | PN

Research Report

124.870 **60 credits** * * *

Research Report

124.871 **45 credits** S1 | PN

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published work.

124.872 **45 credits** S1 | PN

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published work.

124.875 **90 credits** DS | PN

Thesis

A supervised and guided independent study resulting in a published work.

124.897 **60 credits** DS | AL

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work. S2 | AL

124.898 **60 credits** S1 | AL

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work. DS | AL

124.899 **120 credits** DS | AL

Thesis DS | PN

A supervised and guided independent study resulting in a published work.

124.900 **120 credits** DS I AL
PhD Physics DS I PN

125

FINANCE

125.161 **15 credits** * * *
Financial Aspects of Sport
 An introduction to financial and accounting principles and concepts and their application in the sport industry.

125.211 **15 credits** S1 E PN
The Financial Planning Process SS E PN
 This paper is the introductory paper for the Graduate Diploma in Business Studies endorsements in Personal Financial Planning and Personal Risk Management. The paper examines cash management, personal risk management, investments and estate planning and introduces students to important finance concepts.

125.212 **15 credits** S2 E PN
Personal Financial Management SS B1 AL
 An examination of the issues involved in the management of individuals income and debt. Topics may include borrowing, budgeting, and issues related to retirement. SS B1 PN

125.220 **15 credits** S1 I AL
Financial Institutions and Markets S2 E PN
 The paper describes how financial assets are created, traded and influenced by the key economic variables. It also discusses the influence of central banks and governments on the financial system. S2 I AL
 Topics covered include the functions and operations of the various institutions and markets. SS E PN

125.230 **15 credits** S1 E PN
Business Finance S1 I AL
 The paper provides students with a fundamental knowledge of financial theory and practice. In addition to valuation and capital budgeting, students will study working capital management, capital structure, the cost of capital, dividend policy and ethics in finance. S1 I PN
 S2 E PN
 S2 I AL
 S2 I PN

125.240 **15 credits** S1 E PN
Fundamentals of Investment
 This paper introduces the quantitative techniques that apply to investment valuation and management. Topics included are the valuing of equity and fixed interest securities, the trade-off between risk and return and an introduction to portfolio management from the financial planning perspective.

125.241 **15 credits** S1 E PN
Introduction to Investments S1 I AL
 A study of fundamental theories and practice of financial investments. Topics may include an introduction to investment products, investment return and risk, valuation methods for equities and fixed interest securities, the use of derivative securities in portfolios, and the basics of portfolio management and performance evaluation. S1 I PN
 S2 I AL

125.250 **15 credits** S2 E PN
Financial Modelling S2 I AL
 An examination of the principles of sound financial decision-making with the use of spreadsheets for analysis. Students will use various applications to perform quantitative analysis, assessing risk and return, and asset valuations. S2 I PN

125.310 **15 credits** S2 E PN
Financial Advice Implementation
 This paper deals with the implementation of the financial planning process; a business plan and financial plan are required. The paper also covers topics relevant to successful practice management.

125.320 **15 credits** S1 I AL
International Finance S2 E PN
 This paper provides an understanding of the theory, institutions and environment of international finance, investment and management. Students will gain an insight into how exchange rates and their movements affect business organisations and can be managed. The role of conventional financial theory in an international environment will also be considered. S2 I PN

125.330 **15 credits** S1 E PN
Advanced Business Finance S1 I PN
 This is a practical paper with a quantitative base. The paper builds on a theoretical foundation from which students can consider practical financing problems with the objective of making corporate financial decisions more effectively. S2 I AL

125.340 **15 credits** S2 E PN
Investment Analysis S2 I AL
 The application of analytical techniques to investment decision-making. An appraisal of capital markets, security valuation and portfolio selection and management under conditions of uncertainty. S2 I PN

125.342 **15 credits** S2 E PN
Investment Planning
 The application of valuation techniques and the evaluation of investment theory and portfolio construction encompassing fixed income and equities from the perspective of a financial planner.

125.350 **15 credits** S1 E PN
Financial Risk Management S1 I PN
 This paper provides an overview of the theory and practice of financial risk management or hedging. Financial risk exposures can be categorised into three areas: interest rate risk, foreign exchange risk and commodity price risk. The focus will be on the methods of identifying and measuring the impact of these exposures and the appropriate instruments to hedge the firm's exposures. S2 I AL

125.351 **15 credits** S1 E PN
Personal Risk Management
 This paper provides a risk management perspective of the risks faced by individuals, providing an overview of the process of identifying and evaluating personal risk exposures, and the methods of mitigating their potential impact. Topics covered include the exposures resulting from premature death, disability, medical and superannuation. The paper also provides an introduction to insurance law and regulations.

125.356 **15 credits** * * *
Business Insurance
 This paper introduces the use of insurance within a business context, using a risk management perspective to look at the major risk exposures and the techniques that can be used to mitigate them. The paper also looks at accounting, financial management, and the other skills required to assess the risk of a client. The emphasis is on the applied aspects of the material.

125.357 **15 credits** S1 E PN
Advanced Issues in Insurance
 This paper deals with advanced technical aspects of insurance, including a solid grounding in the theory that underlies the processes of ratemaking. It also examines contemporary issues in insurance law and dispute resolution. Strategic issues in the industry, including likely future structural changes, will be analysed.

125.364 **15 credits** S1 E AL
Bank Financial Management S1 I AL
 An application of finance and economic theory to the financial management and operation of banks in New Zealand and internationally, from a risk and regulation perspective. Attention is also given to the fragility of modern banking and its impact on systemic risk. SS B1 PN

125.700 **30 credits** S1 E PN
Managerial Finance S1 I AL
 A study of the theory of finance with an emphasis on managerial decision making. S2 B1 PN
 S2 I AL

125.701 **15 credits** S1 B1 AL
Quantitative Methods for Accounting and Finance S1 E AL
 A study of statistical and econometric techniques allowing students to carry out appropriate empirical research in the areas of accounting and finance.

125.702 **15 credits** S2 B1 AL
Financial Management S2 E AL
 An introduction into the theory and practice of financial management decision making. Students develop and apply financial management techniques to solve business problems.

125.732 **30 credits** S1 I AL
Advanced Corporate Finance S1 I PN
 Advanced Corporate Finance is a paper with a quantitative base. It builds a theoretical foundation from which students can consider finance issues. Consideration of corporate financial management, capital markets and long-term financial strategy is undertaken with the objective of making corporate decisions more efficiently. S2 B1 WL
 S2 I AL
 S2 I PN

125.740 **30 credits** S1 B1 WL
Advanced Investment Analysis S1 I AL
 This paper covers security pricing models, the influence of investors' preferences, performance and investment opportunities in financial markets. An in-depth coverage of investments and portfolio management is provided to develop a way of analysing and thinking about investment that blends theory and practice. S1 I PN
 S2 I AL

125.742	30 credits	* * *
Financial Market Behaviour		
Key areas of recent developments in financial theory, such as financial market microstructure and behavioural finance are covered as well as a detailed analysis of trading on security markets.		
125.780	30 credits	* * *
Advanced International Finance		
This paper covers advanced topics in international finance, including an understanding of the institutions and evolution of the international financial structure, the foreign exchange market and derivatives. The additional complications of applying financial theory to multinational corporations, international funding, international investing, and capital budgeting are examined.		
125.781	30 credits	S2 B1 WL
Advanced Financial Risk Management		
This paper considers the roles of financial risk management in reducing risk and increasing returns in an organisation. Students will be exposed to advanced topics in financial futures, options, swaps and financial engineering.		
125.783	30 credits	* * *
Research in Finance: Investments		
Advanced coverage of contemporary issues in investments through readings of theoretical articles and recent empirical studies. Topics include market efficiency and empirical anomalies, risk-return relationships, and alternative investment vehicles and strategies.		
125.784	30 credits	* * *
Research in Finance: Corporate Finance		
Advanced coverage of contemporary issues in corporate finance through readings of theoretical articles and recent empirical studies. Topics include capital structure, payout policy, corporate governance and diversification of business activities.		
125.785	30 credits	S1 B1 WL
Research Methods in Finance		
This paper provides a well-rounded econometric and practical foundation from which students can understand and perform quality empirical research in finance.		
125.791	15 credits	S2 I AL
Research Report Part 1		
125.792	15 credits	S1 I AL
Research Report Part 2		
125.793	60 credits	* * *
Research Report		
125.795	30 credits	* * *
Research Report Part 1		
125.796	30 credits	S1 I AL
Research Report Part 2		
125.797	30 credits	* * *
Special Topic		
125.798	30 credits	* * *
Research Report		
125.799	30 credits	DS DL PN
Research Report		
125.803	15 credits	S1 B1 AL
Corporate Finance		
A study of the financial management theory and practice surrounding key decisions within a corporate setting. Students examine how financial decisions impact on firm value.		
125.804	15 credits	S2 B1 AL
Financial Asset Management		
A study of the theory and practice of financial asset management from the valuation of financial assets to the construction of financial asset portfolios through optimization processes.		
125.805	15 credits	S1 B1 AL
International Finance		
A study of financial management from the international perspective with emphasis on the evolution of the current international financial structure, foreign exchange markets, and international funding and investment.		
125.806	15 credits	S2 B1 AL
Financial Risk Management		
A study of the theory, practice and recent developments in financial risk management from the perspective of the firm and the domestic and global financial systems.		

125.850	30 credits	S2 DL PN
Research Report Part 1		
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.		
125.851	30 credits	* * *
Research Report Part 2		
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.		
125.892	60 credits	DS DL PN
Research Report		
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.		
125.895	60 credits	* * *
Professional Practice		
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.		
125.897	60 credits	DS I AL
Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
125.898	60 credits	S1 I AL
Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
125.899	120 credits	DS I AL
Thesis		
A supervised and guided independent study resulting in a published work.		
125.900	120 credits	DS I AL
PhD Finance		
		DS I PN

127

PROPERTY STUDIES

127.241	15 credits	S1 DL AL
Real Estate Valuation and Management		
An introduction to the theory and practice of property management, facilities management, investment analysis and property valuation. This paper incorporates the use of technology in relation to all aspects of property.		
127.242	15 credits	S2 DL AL
Applied Valuation I		
An introduction to valuation examining the duties of a valuer, code of ethics and report writing as well as the principles and methods of valuation and the application of these to the valuation of residential and rural property. The paper has a practical orientation containing a substantial fieldwork and case studies component.		
127.255	15 credits	S2 B1 PN
Rural Valuation I		
An introduction to valuation, examining the duties of a valuer, code of ethics and report writing as well as the principles and methods of valuation and the application of these to the valuation of residential and rural property. The paper has a practical orientation containing a substantial fieldwork and case studies component.		
127.341	15 credits	S1 DL AL
Property Management and Development		
The application of analytical techniques to the management of real estate resources. Feasibility studies and project appraisal in relation to property development. Equity investment criteria; public policies in regional and urban development; locational decisions.		
127.342	15 credits	S2 DL PN
Real Estate Investments		
Advanced level study of real estate investments, including real estate finance and discounted cash flows analysis of income producing properties. Other areas of analysis include statistical applications in real estate, price indexing and portfolio theory.		
127.343	15 credits	S1 DL AL
Applied Valuation II		
The valuation of commercial and industrial property, both vacant and improved. Rental valuations, insurance valuations, statutory valuations, and the valuation		

of leasehold, partial and fractional interests. The paper has a practical orientation containing a substantial fieldwork and case studies component.

127.356 Rural Valuation 15 credits S2 DL PN
S2 I PN
The valuation of rural property including: pastoral, peripheral, horticultural and forestry land issues relating to the valuation of leasehold interests and Māori Land. The dispute resolution process. The paper has a practical orientation and includes a field test.

127.700 Property Studies 30 credits * * *
A study of the theory and practice of real estate, valuation and property management. (This paper is designed for students with no prior formal papers in valuation and property management.)

128

MANAGEMENT

128.300 Ergonomics/Human Factors: Work, Performance, Health and Design 15 credits DS DL PN
An introduction to Ergonomics/Human factors (E/HF) - an inter-disciplinary holistic practice-based approach to integrate work, leisure and people in occupational, organisational, leisure (including sport, equipment, products, design and rehabilitation) environments to optimize matching of human-user-system health, performance, comfort and effectiveness: covering fundamental ergonomics principles, micro-macro-ergonomics, E/HF analytical methods, physical, psychological and social capacity and limitations of individuals and groups/teams in organizational socio-technical work and leisure environments.

ERGONOMICS

128.702 Work Capacity and Performance 15 credits DS DL PN
Ergonomics of the basic body systems, musculoskeletal, cardiovascular, respiratory and endocrine/neural as well as physiological energy expenditure responses and adaptation to physical work, anthropometric and biomechanical studies of group and individual factors affecting performance.

128.705 Ergonomics Analysis 30 credits * * *
Principles underpinning the ergonomics approach with focus on methods of measurement, investigation, work analysis, including study of aspects of workplace, information and work organisation design as well as a study in industry which will act as an exemplar for professional practice.

128.706 Micro/Macro Ergonomics 30 credits DS DL PN
Human psychological, social and organisational characteristics and reliability related to ergonomics; systems theory, training, instruction, workplace information and organisational design.

128.707 People, Technology and Design 15 credits * * *
Consideration of people in relation to the physical environment and design technology.

128.709 Special Topic 30 credits DS DL PN
Study in any approved ergonomics application areas.

128.801 Thesis 120 credits DS DL PN
A supervised and guided independent study resulting in a published work.

128.803 Ergonomics Research Report 60 credits DS DL PN

128.804 Ergonomics Professional Practice 60 credits DS DL PN
Supervised academic and industrial professional practice training. Includes design and conduct of a practical ergonomics project in an industrial setting and demonstration of mastery of professional issues.

128.805 Thesis 120 Credit Part 1 60 credits S1 I PN
S2 I PN
A supervised and guided independent study resulting in a published work.

128.806 Thesis 120 Credit Part 2 60 credits S1 I PN
S2 I PN
A supervised and guided independent study resulting in a published work.

128.900 PhD Ergonomics 120 credits DS I PN

130

EMERGENCY SERVICES MANAGEMENT

130.201 Introduction to Civil Defence Emergency Management in New Zealand 15 credits S2 B1 WL
S2 DL WL

This paper introduces students to civil defence emergency management in New Zealand. It explores the national civil defence emergency management framework, New Zealand hazardscape, disaster plans, incident management and international connections.

130.301 Incident Command Systems 15 credits S2 B1 WL
S2 DL WL

This paper introduces the systems used to manage emergencies, including the New Zealand Coordinated Incident Management System and other international variations. Consideration will be given to operational management concepts and tactics for effective incident response.

130.701 Natural Hazards 30 credits * * *

A study of natural hazards and their effects. Specific attention will be paid to earthquakes, windstorms, flooding, volcanicity, tsunamis and landslips and their impact on people and the environment. Hazards particularly relevant to New Zealand will be emphasised.

130.702 Coping with Disasters 30 credits DS DL WL

Study of the human issues and problems involved in preparing for and coping with disasters. Attitudes towards disaster preparation are studied together with the nature of disasters and their effects on human beings. The organisation and control of human behaviour during disasters will be studied together with rehabilitation interventions, particularly for the alleviation of stress for those involved.

130.705 Emergency Management 30 credits DS DL PN

An examination of the social, psychological, community and organisational aspects of disaster management in New Zealand. Emphasis is on the development and implementation of an all-hazards, comprehensive and integrated approach to emergency management. Selected readings and case studies will be used to facilitate the development of an effective response to social, psychological, community and organisational issues.

130.706 Emergency Management in Practice 30 credits DS B1 WL

This paper studies the practical application of current emergency management theory. The emphasis is on examining a specific topic area, analysing current trends and discussing practices that will enhance reduction, readiness, response and recovery efforts in managing disasters and emergencies.

130.799 Research Report in Emergency Management 30 credits DS DL WL

A research report on a selected emergency management topic, undertaken by the individual student under the supervision of academic and professional staff. The topic and method of study must be approved by the paper coordinator.

130.801 Advanced Leadership in Emergency Management 60 credits DS DL WL

This paper explores the theory and practice of operational and strategic leadership applied in emergencies, including organisational psychology, politics, law, ethics, team leadership, communication and crisis decision making.

130.816 Thesis 120 Credit Part 1 60 credits DS DL PN

A supervised and guided independent study resulting in a published work.

130.817 Thesis 120 Credit Part 2 60 credits DS DL PN

A supervised and guided independent study resulting in a published work.

130.899 Thesis 120 credits DS DL PN

A supervised and guided independent study resulting in a published work.

130.900 PhD Emergency Management 120 credits DS I PN

131

DEVELOPMENT STUDIES

131.121 **15 credits** S2 DL PN
Rich World, Poor World S2 I PN

This paper introduces students to the field of development studies and to some of the most pressing issues for people living in 'developing' countries. It steers a course between theory and practice and uses case studies from many parts of the world. Key themes are debt, refugees and famine.

131.221 **15 credits** S1 DL PN
Contemporary Development Issues SS DL PN

An interdisciplinary paper concerned with contemporary development themes in third world countries. Particular attention will be given to explaining theories of development, as well as a choice of topical themes, such as human security, migration and urban issues, NGOs and the future prospects for development.

131.321 **15 credits** S2 DL PN
Strategies for Sustainable Development

A consideration of concepts, processes, practices, and possible strategies for sustainable development at global, national and community levels. Special attention is paid to examples of strategies that seek more sustainable livelihoods.

131.701 **30 credits** S1 B1 PN
Development and Underdevelopment S1 DL PN

An interdisciplinary paper which explores the historical origins and contemporary processes of development and underdevelopment. The main areas covered include: the origins and meaning of development; theories of development and underdevelopment; and contemporary approaches to development practice.

131.702 **30 credits** S2 B1 PN
Development Management S2 DL PN

An applied course dealing with the processes and methods for the planning, implementation and evaluation of development programmes and projects. The course focuses on the managerial aspects and on the analytical tools that link contemporary policy frameworks and operational practices.

131.703 **30 credits** S2 B1 PN
Gender and Development S2 DL PN

An examination of the interaction of gender difference, development planning and social change. Selected topics include empowerment and human rights, masculinities, the household, work, education, and health.

131.704 **30 credits** S1 B1 PN
Sustainable Development S1 DL PN

This paper will look at what is meant by sustainable development and present case studies of its implementation. The theoretical perspectives on sustainable development will be considered. The paper aims to present a variety of concepts and ideas about sustainable development and assist students to develop critical skills in relation to global, regional and local development needs.

131.706 **30 credits** * * *
Globalisation and Development

An examination of three critical themes in globalisation and development: tourism, migration, and development in conflict and post-conflict situations.

131.707 **30 credits** S2 B1 PN
Development Research Design S2 DL PN

An examination of research methods and ethical issues and their application in development studies.

131.708 **30 credits** DS DL PN
Development Practicum S2 DL PN

Advanced study in development practice, involving 260 hours of professional work in an approved development agency. As an integral part of the paper, students will reflect on how this work can be understood in relation to current literature on development theory and practice.

131.798 **60 credits** * * *
Research Report (60)

131.799 **30 credits** * * *
Research Report (30)

131.816 **60 credits** S1 DL PN
Thesis 120 Credit Part 1 S1 I PN
 DS DL PN

A supervised and guided independent study resulting in a published work.

131.817 **60 credits** DS DL PN
Thesis 120 Credit Part 2 S2 DL PN
 S2 I PN

A supervised and guided independent study resulting in a published work.

131.897 **60 credits** S1 DL PN

Research Report International Development (60)

A supervised scholarly research report in International Development.

S1 I PN

DS DL PN

DS I PN

S2 DL PN

S2 I PN

SS DL PN

SS I PN

131.899 **120 credits** * * *

Thesis

A supervised and guided independent study resulting in a published work.

131.900 **120 credits** DS I PN

PhD Development Studies

132

RESOURCE AND ENVIRONMENTAL PLANNING

132.101 **15 credits** S1 I PN

Introduction to Professional Planning

This paper is an introduction to professional planning, and provides a foundation to the development of a contemporary professional identity. It introduces students to the key ideas and individuals involved in the evolution of the rationale and origins of planning. The paper is taught through reference to planning as conceived and practiced in New Zealand and internationally.

132.106 **15 credits** S2 I PN

Introduction to Geographic Information Systems

A conceptual and practical understanding of Geographic Information Systems for Planning, including background information on spatial data, database design and cartography. Laboratory exercises using ArcGIS.

132.111 **15 credits** S2 I PN

Planning and the Environment

Introduction to present and historical resource and environmental planning concepts, policies, processes and issues. Sustainability principles are examined in the context of international trends and developments and the New Zealand planning framework.

132.112 **15 credits** S1 I PN

Planning for Sustainable Development

The multi-dimensional and multi-disciplinary nature of planning is explored with reference to the challenge of sustainable development and the application of planning principles to real-world issues.

132.212 **15 credits** S2 I PN

Professional Practice I

The institutional, professional and legal settings for urban and environmental planning in New Zealand. Topics will include policy and plan development, implementation at different levels of government and the role of tangata whenua. Lectures are complemented by workshop exercises.

132.213 **15 credits** S2 I PN

Policy Analysis and Evaluation

The principles, role and application of analytical techniques in planning and policy analysis. Economic, social and environmental impact assessment. Evaluation techniques, including Goals Achievement Matrix, Cost-Benefit Analysis, Planning Balance Sheet, Optimisation and Multicriteria Evaluation, with skill development based on laboratory exercises.

132.217 **15 credits** S1 I PN

Planning Hazard-Resilient Communities

An introduction to the role of planning in building sustainable and disaster resilient communities through the use of various processes and tools to assess hazard vulnerability, reduce hazard risks, improve disaster readiness, develop effective response capabilities and facilitate recovery.

132.218 **15 credits** S1 I PN

Building Collaborative Communities

An introduction to collaborative community planning, with a particular focus on the theory and practice of public participation and conflict resolution.

132.221 **15 credits** S2 DL PN

Planning Studies

An introduction for non-planners to planning and practice in the New Zealand urban, rural and natural resource environment. Introduction to the principles of the Resource Management Act and its administration. The principles and procedures involved in making consent applications under the Act. Emphasis is placed on planning procedures at local authority level.

132.304 **15 credits** S2 | PN

Tuhono Taiao: Māori and Planning

In this paper, students will examine the interface between Māori and Resource and Environmental Planning. There is a particular emphasis on students developing an ability to critically analyse environmental and other topics that emerge from this interface, and acquiring practical knowledge to work effectively with Māori communities on Planning-related issues.

132.305 **15 credits** S1 | PN

Natural Resource Policy and Planning

An interdisciplinary approach to the cultural, philosophical, legal, institutional and practical issues involved in the strategic planning and management of New Zealand's natural heritage, including analysis of appropriate New Zealand and international case-studies.

132.311 **15 credits** S1 | PN

Planning Theory

The philosophical and theoretical context of planning; the different planning paradigms and the application of theory in the practice of planning are examined. The implications of using jargon and technical language. The roles of planning institutes in developing professional ethics and promoting the theory and practice of planning. Studios, workshops and seminars.

132.312 **15 credits** S2 | PN

Environmental and Planning Law

An introduction to New Zealand Environmental Planning law with a specific focus on the Resource Management Act 1991 and the legislative, judicial and administrative aspects of the New Zealand legal system as they relate to environmental law and the planning process. The place of law in the sustainability debate, property rights and legal aspects of the Treaty of Waitangi are covered.

132.313 **15 credits** S2 | PN

Advanced Planning Techniques

Forecasting and scenario methods for projecting alternative futures as well as economic and demographic variables. Skills in State of the Environment reporting and monitoring. Spatial analysis techniques. Data collection, analysis and presentation. Computer laboratory exercises and a major case study dealing with the application of a technique to a selected planning problem.

132.314 **15 credits** S1 | PN

Transport and Urban Planning

Different disciplinary approaches to transport and urban development. Determinants of national, regional, urban and suburban transport trends, policies and development. Relationship between transport paradigms, development processes and urban form.

132.403 **30 credits** DS | PN

Planning Project

A planning study of an approved topic. Emphasis is on locating the study within an accepted planning paradigm or process; problem definition based on theory and precedent; an appreciation of practice issues; researching and analysing relevant information; and producing a solution to the problem. Findings are presented in a seminar and planning report. Collaboration with academic staff. Tutorials cover presentation skills.

132.412 **15 credits** S2 | PN

Professional Practice II

The knowledge and skills required by the professional planner in practice. The course makes use of workshop sessions and other forms of interactive teaching to explore current practice issues, including plan and policy development for urban and environmental issues, consultation, environmental education, mediation, resource consents and the role of the expert witness.

132.414 **15 credits** S1 | PN

Urban Planning and Design

Application of the theory and design of development planning to modern cities. The institutional and disciplinary contexts and constraints within which development plans are formulated. Case studies and fieldwork, together with practical studios covering analytical methods and design. Relationship between transport, urban form and urban design.

132.415 **15 credits** S1 | PN

Environmental Planning

Sustainable natural resource development approaches and debates are considered within the context of integrated natural resource planning. The paper explores and applies planning theories and methods to a selected natural resource problem or issue in New Zealand. Field work as part of project research.

132.419 **15 credits** S2 | PN

Professional Practice Studio

A practical context for the integration and application of knowledge to contemporary planning practice and investigation and resolution of current issues. Students' understanding of current planning debates and the role of planning as a profession is extended through participation in debate with current protagonists of different points of view and group work to resolve and defend a position.

132.705 **30 credits** * * *

Applied Ecological Economics

Overview of Ecological Economics methods and tools including an applied, solution-oriented workshop designed to foster a collaborative transdisciplinary learning environment between lecturers, students and professionals/stakeholders to address a specific complex, place-based challenge, using applied, advanced level, Ecological Economics tools.

132.730 **30 credits** * * *

Policy Analysis and Evaluation Techniques

Analytical techniques used in planning. Evaluation methods, impact assessment, forecasting and scenario methods, use of performance indicators, soft system approaches and natural resource accounting. Techniques are illustrated by case studies and practised in computer-based exercises.

132.731 **30 credits** S1 DL PN

Planning Law

The Resource Management Act 1991 and the legislative, judicial and administrative aspects of the New Zealand legal system as they relate to environmental law and the planning process. Topics covered include the place of law in the sustainability debate and environmental ethics, property rights, legal aspects of the Treaty of Waitangi and developments in case law dealing with current environmental and planning issues.

132.732 **30 credits** S2 DL PN

Planning Theory

The philosophical and theoretic foundations of planning and the principles of urban design are identified and analysed using studios and seminars. Business, other disciplines and indigenous approaches to environmental planning challenge traditional views about 'public interest'. The role of planners in collaborative and communicative approaches to urban and environmental planning is identified, along with the effect of jargon in communication. The future of planning, including changes to codes of ethics and practice given a global focus on sustainable management is discussed.

132.733 **30 credits** * * *

Conservation Policy and Planning

A studio-based analysis of conservation policy and planning issues. Paradigm shifts in conservation biology, heritage management, ecology and integrated environmental planning approaches are explored. Scientific, community and indigenous knowledge is applied to prepare biodiversity and heritage conservation policy and plans for protected areas and private lands.

132.734 **30 credits** S1 B1 PN

Urban Planning and Development

Different theoretical and practical approaches to urban planning and development, and consequences for the urban landscape, infrastructure, economy and services

132.735 **30 credits** * * *

Natural Resource Planning

Natural resource planning principles and practice. Application of the concept of sustainable development to the management of biophysical resources and systems. Case studies will focus on the integration of planning and ecological principles in resolving resource management problems. Specialised techniques and methods to advance natural resource planning practice.

132.736 **30 credits** * * *

Professional Practice

Development of the knowledge and skills required by the professional planner in practice. The paper focuses on a range of issues in current planning practice and examines a variety of techniques that might be used to address those issues. Interactive teaching techniques are combined with lectures.

132.738 **30 credits** DS DL PN

GIS Principles and Applications

A conceptual and operational understanding of Geographic Information Systems. Students will create and link map and attribute data, perform overlay analysis, perform network analysis, create digital terrain models, make logical queries of the database, apply GIS to catchment analysis and axial analysis, present information in map form and create an application using ArcGIS. Computer-based studios.

132.739 **30 credits** * * *

Assessing Environmental Impacts: Principles and Practice

The principles and practice of Environmental Impact Assessment (EIA) with reference to projects, plans and policies. Case studies and group work will be used to illustrate the diversity and range of issues addressed in EIA.

132.740 **30 credits** DS DL PN

Geographic Information Systems Programming and Practice

The principles and practice of programming in the context of GIS. Issues in GIS implementation.

132.741 **30 credits** * * *

Long-Term Community Planning

This paper examines the theoretical and empirical aspects of long-term community planning and also explores evolving good practice.

132.742	30 credits	* * *
Planning History: From Town Planning to Resource Management		
An advanced exploration of the historical development of planning as a discipline and profession in New Zealand		
132.751	30 credits	S1 DL PN
Natural Hazards and Resilient Communities		
A study of natural hazards and the role of planning in building sustainable and disaster resilient communities. Develop and apply planning processes and tools to assess hazard vulnerability, reduce hazard risks, improve disaster readiness, develop effective response capabilities, and facilitate recovery.		
132.804	30 credits	S2 DL PN
Applied Research in Planning		
An examination of research methods, traditions and techniques particularly those used in Planning research.		
132.815	60 credits	DS DL PN
Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
132.816	60 credits	DS DL PN
Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
132.893	45 credits	S1 I PN
Thesis 90 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
132.894	45 credits	S1 I PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
132.895	30 credits	DS DL PN
Research Report (30)		
132.897	90 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
132.899	120 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
132.900	120 credits	DS I PN
PhD Resource and Environmental Planning		

133

MUSIC

133.101	15 credits	S1 DL PN
Introduction to European Art Music		
An introduction to the study of European art music with an emphasis on its social and cultural contexts.		
133.107	15 credits	* * *
Music Practice I		
A practical course providing opportunities and directions for developing music writing, arranging and performance skills.		
133.108	15 credits	* * *
Popular Song		
A study of popular song from George Gershwin to the early works of Elton John, emphasising the listening process with special attention to the relationship between words, music and metaphor.		
133.109	15 credits	S1 DL PN
Theory of Music: Basic Techniques		
Training in the basic procedures of tonal music, including harmonic analysis and melodic and rhythmic notation.		
133.115	15 credits	* * *
Jazz History		
Study of the historical development of jazz through the contributions of performers, composers, and innovators to the evolution of jazz.		
133.201	15 credits	S2 DL PN
Perspectives on European Art Music		
A critical study of selected works from the European art music tradition in their intellectual and social contexts.		
133.202	15 credits	S1 DL PN
Music in New Zealand Society		
A study of music in selected communities of New Zealand, considering the historical, cultural, and social contexts.		

133.205	15 credits	* * *
The Music of Pink Floyd		
A study in the music of the group Pink Floyd		
133.206	15 credits	* * *
Choral Repertoire		
A study of vocal ensemble and choral repertoire. Students are required to join an approved choir or vocal ensemble for the semester duration.		
133.207	15 credits	* * *
Music Practice II		
A practical musicianship course that develops musicianship skills established in 133.107 and in particular music writing and performance. Students will be engaged in reflection on issues of musicianship interpretation and technique and will engage in practical areas related to their work.		
133.301	15 credits	* * *
Opera		
A study of opera from a range of historical and critical frameworks.		
133.302	15 credits	* * *
New Zealand Music II		
An advanced study of New Zealand classical, popular and film music.		
133.303	15 credits	S1 DL PN
Music and Film		
A study of the workings of music in a variety of cinematic contexts		
133.305	15 credits	S2 DL PN
The Music of the Beatles		
A study of the music of the Beatles. Students will analyse popular music using a range of analytical tools.		
133.307	15 credits	* * *
Music Practice III		
A practical musicianship course which develops musicianship skills achieved in 133.207 Music Practice II.		
133.333	15 credits	* * *
Research Projects in Music History and Repertoire		
Students will investigate two areas of music history as agreed with the paper coordinator presenting the results in a written form.		
133.800	120 credits	* * *
MPhil Thesis		
A supervised and guided independent study resulting in a published work.		
133.801	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
133.802	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
133.881	120 credits	* * *
Thesis		
Development of a research project which includes preparation for, and delivery of a performance. The research and performance components are to be mutually supportive in content.		
133.882	60 credits	S1 I PN
Thesis 120 Credit Part 1		
Development of a research project which includes preparation for, and delivery of a performance. The research and performance components are to be mutually supportive in content.		
133.883	60 credits	S1 I PN
Thesis 120 Credit Part 2		
Development of a research project which includes preparation for, and delivery of a performance. The research and performance components are to be mutually supportive in content.		
133.900	120 credits	* * *
PhD Music		

134

PHILOSOPHY

134.101	15 credits	S2 DL PN
Knowledge and Reality		
An introduction to questions about existence, perception and the mind.		

		Sem	Mode	Loc
134.102	15 credits	S2	DL	PN
Great Western Philosophy		S2	I	PN
This paper examines the ideas of some of the 'greats' in Western philosophy, including Socrates, Plato, Descartes, Mill and many others.				
134.103	15 credits	S1	DL	PN
Critical Thinking		S1	I	AL
This paper examines the structure of arguments, using non-formal methods to determine whether an argument is good, or whether it may be flawed.				
134.104	15 credits	S1	DL	PN
Practical Ethics		S1	I	PN
An examination of ethical issues that arise in everyday life.				
134.105	15 credits	S2	DL	PN
Philosophy of Religion: God, Freedom and Evil		S2	I	PN
Selected topics from western philosophy of religion, such as the existence of God, the problem of evil, miracles, life after death, mystical experience, and the conflict between human freedom and divine foreknowledge.				
134.201	15 credits	*	*	*
Philosophy of Mind				
An investigation of many philosophical questions concerning minds, consciousness and language.				
134.203	15 credits	*	*	*
Ethics				
This paper examines the theories that underpin our ethical thinking, developing an understanding of the nature of ethical thinking in general, and the advantages and disadvantages of major ethical theories.				
134.204	15 credits	*	*	*
Aesthetics				
An examination of topics in metaphysics, epistemology, logic, and ethics which arise in aesthetics and the philosophy of art.				
134.205	15 credits	S1	DL	PN
Logic		S1	I	PN
An introduction to modern formal logic using propositional logic and first-order predicate logic. Formal logic provides an important link between the humanities and maths and sciences, particularly computer and information sciences.				
134.208	15 credits	*	*	*
Philosophy of Science				
An investigation of fact and theory, explanation and discovery, and of modern attempts to improve on naïve empiricist accounts of science.				
134.215	15 credits	S2	DL	PN
Asian Philosophies		S2	I	PN
An introduction to the major themes in Indian and Chinese philosophy.				
134.216	15 credits	S1	DL	PN
Modern Philosophy		S1	I	PN
This paper will investigate metaphysical and epistemological views of the 17th - 18th centuries, focussing on Descartes, Leibniz, Locke, Berkeley and Hume. It will pay particular attention to early modern notions of causation.				
134.218	15 credits	S1	I	AL
Environmental Philosophy				
This paper uses philosophy to explore environmental issues, such as whether our concern for environmental well-being can be adequately grounded in a concern for human well-being, and whether we have any obligations to preserve the 'wilderness'.				
134.220	15 credits	S2	DL	PN
Business and Professional Ethics		S2	I	PN
An examination of the practice of ethical reasoning with special concern for issues that arise in business and professions.				
134.302	15 credits	*	*	*
Metaphysics				
Topics in metaphysics selected from the following: personal identity, freedom and determinism, action and purpose, the problem of universals and particulars, causality, events and states of affairs.				
134.303	15 credits	S1	DL	PN
Ethics		S1	I	PN
This paper examines the theories that underpin our ethical thinking, developing an understanding of the nature of ethical thinking in general, and the advantages and disadvantages of major ethical theories.				
134.308	15 credits	S1	DL	PN
Philosophy of Science		S1	I	PN
An investigation of fact and theory, explanation and discovery, and of modern attempts to improve on naïve empiricist accounts of science.				

		Sem	Mode	Loc
134.309	15 credits	*	*	*
Ancient Philosophy				
An examination of ancient philosophies, particularly those of Socrates, Plato and Aristotle.				
134.310	15 credits	S2	DL	PN
Philosophy of Literature		S2	I	PN
An examination of topics in metaphysics, epistemology, logic, and ethics that arise in the philosophy of literature.				
134.312	15 credits	S2	DL	PN
Epistemology: Seeing and Knowing		S2	I	PN
An examination of whether and how minds can come to have knowledge about the world.				
134.317	15 credits	*	*	*
Recent and Contemporary Philosophy				
A consideration of some of the most influential philosophers from Kant to the present.				
134.703	30 credits	S2	DL	PN
Ethics of War and Peace				
Topics to be discussed include: the nature of moral reasoning, the ethics of killing in self-defence, just war theory, the ethics of nuclear deterrence, holy wars, war crimes and collective responsibility, non-violent resistance, and the ethics of pacifism.				
134.710	30 credits	S1	DL	PN
Philosophical Research				
A study of key issues in the practice of philosophical research and development of a philosophical research project.				
134.740	30 credits	S2	DL	AL
Advanced Study of Philosophical Topics				
An in-depth study of selected philosophical topics at an advanced level from epistemology, metaphysics, theories of mind, or value theory.				
134.750	30 credits	S1	DL	PN
Advanced Study of Philosophical Texts				
A detailed examination of selected philosophical texts at an advanced level.				
134.798	30 credits	DS	DL	PN
Research Report (30)				
134.799	60 credits	DS	DL	PN
Research Report (60)				
134.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
134.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
134.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
134.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1		S2	DL	PN
A supervised and guided independent study resulting in a published work.				
134.817	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		DS	DL	PN
A supervised and guided independent study resulting in a published work.				
134.873	60 credits	S1	DL	PN
Research Report Philosophy (60)		DS	DL	PN
		S2	DL	PN
134.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1		DS	DL	PN
A supervised and guided independent study resulting in a published work.				
134.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
134.883	90 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
134.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
134.900	120 credits	DS	I	PN
PhD Philosophy				

135

RELIGIOUS STUDIES

135.101	15 credits	S1	DL	PN
Hinduism and Buddhism				
An introductory study of religions of Indian origin, particularly Hinduism and Buddhism.				

135.102	15 credits	S2	DL	PN
Judaism, Christianity and Islam				
An introduction to the religions of Jews, Christians and Muslims, focussing on their origins, beliefs, and practices, as well as contemporary social and political issues affecting them. Each religion is studied separately from an empathetic but academic perspective.				

135.103	15 credits	S2	DL	PN
Magic and Witchcraft				
A multidisciplinary study of magic and witchcraft in selected societies in different time periods.				

135.104	15 credits	*	*	*
Introduction to Sanskrit				
An introduction to the Classical Sanskrit language, including the Devanagari script, basic grammatical structures and common vocabulary.				

135.201	15 credits	*	*	*
Ancient Religions				
A study of religion in selected ancient societies, such as Egypt, Mesopotamia and Persia (Iran). In each case, religious beliefs and practices are examined against the background of their historical context.				

135.204	15 credits	S2	DL	PN
East Asian Religions				
An introductory study of the origins, history, beliefs and practices of East Asian religions. The traditions covered are Daosim, Confucianism, Shinto, Bon and Buddhism in China, Japan and Tibet.				

135.207	15 credits	*	*	*
Sex, Gender and Religion				
An exploration of how religious traditions such as Buddhism, Christianity, Hinduism and Islam shape the construction of gender and the expression of sexuality.				

135.209	15 credits	*	*	*
Religion and Current Issues				
This paper looks at religious factors in contemporary issues - local, national and global. Current issues and events are examined in relation to their religious content, and the significance of these issues and events within the religion and in current world context is assessed.				

135.210	15 credits	S1	DL	PN
Islam: Religion and Society				
An historical and contemporary survey of Islam as a religion and a civilization, with particular emphasis on religio-political ideals and practice.				

135.211	15 credits	S1	DL	PN
Jesus and his World				
A study of the life and teaching of Jesus, his Jewish context, and the early Jesus movement, based on the writings of the period.				

135.305	15 credits	S2	DL	PN
Religious Writings				
A study of selected religious writings.				

135.308	15 credits	*	*	*
Religions in New Zealand				
This paper takes a broad view of this country's religious life in all its variety in the present time. It includes consideration of Māori beliefs today and how Pacific Island and world religions are practised in New Zealand.				

135.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				

135.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				

135.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
135.816	60 credits	DS	DL	PN
Thesis (Part I)				
135.817	60 credits	S1	DL	PN
Thesis (Part II)				
135.899	120 credits	DS	DL	PN
MA Thesis Religious Studies				
135.900	120 credits	DS	I	PN
PhD Religious Studies				

137

BANKING MANAGEMENT

137.703	30 credits	S2	B1	AL
International Banking and Financial Markets				
A review of selected topics in International and Corporate Banking and Financial Markets with an emphasis on comparative banking systems, globalisation, the international expansion of banks and international banking regulation.				

137.704	30 credits	S2	B1	AL
Risk Management for Financial Institutions				
The identification, evaluation and control of pure risk from the viewpoint of financial institutions. Topics covered include the nature of risk management in banks; risk assessment procedures; coping with disaster; market and transfer risks, including foreign exchange and cash management; the identification of manipulation, cornering and fraud; cheque kiting and other cheque swindles; embezzlement; credit card frauds; computer systems and their risks; human resource management issues in the identification and control of risk.				

137.710	30 credits	S1	B1	AL
The Theory and Management of Banking				
An examination of the theory and management of Banking with specific reference to bank financial statements, bank capital, monetary policy, payment systems, asset and liability management, securitisation, and banking regulation.				

137.711	30 credits	S1	B1	AL
Strategic Banking Issues				
This paper addresses current strategic issues in Banking. Emphasis is placed on the New Zealand banking system, with attention given to banking products, technology and innovation in banking, competition and productivity in banking, shareholder value and corporate governance in banking, bank credit and credit culture, non-bank competition, bancassurance, ethics and social responsibility, and banking legislation.				

137.791	15 credits	S2	DL	PN
Research Project (Part I)				

137.795	60 credits	*	*	*
Research Report				

137.798	30 credits	*	*	*
Research Project				

137.799	30 credits	DS	DL	PN
Research Project				

137.894	60 credits	S1	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				

137.895	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

137.896	60 credits	DS	DL	PN
Research Report				
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.				

137.897	60 credits	S1	DL	AL
Professional Practice				
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed.				
Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.				

137.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				

137.900 **120 credits** DS | PN
PhD Banking

138

AGRICULTURAL ENGINEERING

138.106 **15 credits** DS | PN
Agricultural Engineering

A study of basic engineering principles as they apply to design, maintenance and operation of agricultural buildings and structures, farm water, refrigeration and heating, fencing, and waste management; the design, utilisation, selection, operating principles, latest development and safety of tractors, ATVs and implements used in agriculture.

138.255 **15 credits** S1 DL PN
Engineering Principles in Food and Fibre Production S1 | PN

Engineering principles underpinning the systems used in the growing, harvest and post-harvest treatment of agricultural and horticultural products. Emphasis is placed on deriving the system performance specification following consideration of capacity, product quality and safety, and ecological requirements.

138.281 **15 credits** S1 DL PN
Building Technology: Construction and Design S1 | AL

Principles of light-timber framed construction, properties of building materials, basic surveying, soils and site appraisals, architectural design and history of New Zealand architecture. Laboratory work and field visits.

138.331 **15 credits** * * *
Building Technology: Rural Facilities

Principles of appraisal for rural facilities. Topics include electrical and energy systems, plumbing and drainage, agricultural and horticultural production facilities, environmental management, alternative energy systems, principles of structural systems. Laboratory work and field visits.

BUILDING AND CONSTRUCTION

138.382 **15 credits** S2 | AL
Building Technology: Services S2 | PN

Principles of services in domestic, commercial, industrial and rural buildings and facilities. Topics include electrical and energy systems, plumbing and drainage, heating, ventilating, air conditioning, lighting, intelligent buildings and alternative energy systems, principles of structural systems. Laboratory work and field visits.

AGRICULTURAL ENGINEERING

138.383 **15 credits** S1 | AL
Building Technology: Commercial Buildings S1 | PN

Principles of the infrastructure of low and high rise commercial and industrial buildings. Topics include commercial cladding systems, office interiors, acoustic, security, Sick Building Syndrome, fire protection services and contract management. Laboratory work and field visits.

138.900 **120 credits** DS | PN
PhD Agricultural/Horticultural Engineering

139

ENGLISH

139.104 **15 credits** S1 | PN
Drama in Performance S2 DL PN

An exploration of three plays in performance. Students will study theories and conventions of performance and will participate in theatrical presentations. No previous experience of theatre is required.

139.105 **15 credits** S2 DL PN
Fiction: The Long and Short of It S2 | PN

A study of short stories and novels from Mansfield to the present selected from New Zealand, England and the USA. Emphasis will be on the reading process and the varieties of fictional techniques.

139.122 **15 credits** * * *
Contemporary Literary Forms of Aotearoa New Zealand

This paper offers an introduction to the literature of contemporary Aotearoa/New Zealand, focusing on genre and its relationship to issues of culture, politics, and literary tradition.

139.123 **15 credits** S1 DL PN
Creative Writing S1 | AL

An exploration of the processes involved in writing poetry and short stories. Students learn the fundamental elements of craft, such as metaphor, structure and plot, through the close reading of published poetry and fiction,

through their own practice as creative writers, and through providing and receiving workshop feedback.

139.133 **15 credits** S2 DL AL
Creative Communication S2 | AL

An introduction to the dynamics involved in creative communication. Students explore these aspects of creative communication through work in, and analysis of, three creative forms: creative writing, theatre and film. Work in the paper is arranged under three broad headings: Origination, Production and Reception.

139.139 **15 credits** S1 DL PN
Introduction to English Studies S1 | PN

This paper considers the nature and functions of literary texts and the ways in which they are invested with meaning. The paper will focus on the practice of reading literary texts, and the processes of writing critically about them.

139.142 **15 credits** SS DL PN
Mythology and Fantasy

A survey of medieval myth and fantasy in the English, Scandinavian and Celtic traditions, emphasising the reworking of narratives and the developing of the students' own story-telling skills.

139.171 **15 credits** S1 | AL
Introduction to Literary and Cultural Studies

By studying a selection of notable literary texts, students will learn to recognise their characteristic features, gain some sense of historical and cultural factors relevant to the study of literature, develop skills in close reading and develop their own ability to respond in written form.

139.201 **15 credits** S2 DL PN
Early Modern Verse and Drama: Sex, Death, and the City

This paper explores Early Modern poetry and the drama of Shakespeare's contemporaries. It focuses on love and sexuality, obsession and tragedy, ambition and comedy, in both the royal court and the new world of the empowered citizen.

139.202 **15 credits** S1 DL PN
Romantic Writing: Self and Nature S1 | PN

A study of the relationship between self and nature as explored in texts by British writers of the period 1780-1830.

139.208 **15 credits** * * *
Literacy Practices in Context

In this course, we will explore theories of literacy and practices of textual production, in a variety of contexts: educational, technological, disciplinary, professional, and civic. Students will encounter key theoretical concerns in the academic field of writing studies and writing research, and investigate their own and others' advanced literacies.

139.209 **15 credits** S2 | AL
Speaking: Theory and Practice SS DL PN

A study of the theoretical and practical aspects of public speaking. Attention will be paid to building a rapport with an audience, to the preparation of material for spoken delivery and to the technical elements of voice production.

139.210 **15 credits** S1 DL PN
Rewriting Classic Fiction S1 | PN

This paper will consider a number of canonical literary texts and contemporary fictions that self-consciously rework them.

139.220 **15 credits** S2 | AL
Applied Theatre: Theatre for Social Change

This paper introduces students to applied, documentary and verbatim theatre. Working creatively and critically, students consider how theatre can be applied in everyday contexts outside of conventional theatre spaces to bring about social change. Theatre is analysed as an inclusive practice that contributes to the communication and celebration of identities and communities.

139.223 **15 credits** S1 | WL
Creative Processes SS DL PN

An investigation of human creativity that involves the study of creative practice and the making of original works of performance, film and writing.

139.224 **15 credits** S2 | PN
Making Plays for Theatre

Students will receive a grounding in the skills of writing and devising experimental theatre and an opportunity to employ these skills in the creation of original scripts.

139.225 **15 credits** * * *
Writing for Children

An exploration of creative writing for children through the critical and theoretical analysis of selected contemporary writing and through students' own production of original texts.

		Sem	Mode	Loc
139.226	15 credits	S1	DL	AL
Life Writing		S1	I	AL
A theoretical and practical study of the nature of life writing, including oral history, biography and autobiography, personal memoirs and family history.				
139.229	15 credits	S2	DL	PN
Writing Poetry		S2	I	PN
A creative writing paper in which students develop and advance poetry skills within the major modes of lyric poetry and within the context of a more advanced engagement with fundamental elements of craft. In addition to reading poetry and critical essays on the genre, students will write original poetry and critically review their own work and the work of peers.				
139.230	15 credits	*	*	*
Writing Centre Theory and Practice				
The primary aim of this course is to introduce students to critical theory related to writing pedagogy, with a particular emphasis on theory related to academic writing and peer tutoring of writing. Students will also consider how this theory impacts on their own writing and on the practice of peer tutoring.				
139.231	15 credits	*	*	*
Health Writing: Theory and Practice				
An introduction to the theory and practice of writing on health and illness. It includes intensive practice in composing for diverse health genres and publications and in analysing the ways consumers obtain and process information about health developments and controversies.				
139.242	15 credits	*	*	*
Medieval Worlds				
This paper explores the poetry, drama and stories of medieval England, including lyric poetry, the romance Sir Gawain and the Green Knight, plays from the religious festivals, and selections from Chaucer's Canterbury Tales. Attention will be paid to medieval English language, as well as cultural sites around which texts were produced, practised and performed.				
139.253	15 credits	S2	DL	AL
The American Short Story		S2	I	AL
Beginning with the early nineteenth century 'tales' of Irving and Hawthorne, we follow the development of short fiction in the United States through James, Wharton and other turn-of-the-century figures, to the flowering of the short story in the twenties and thirties (Hemingway, Faulkner, etc.). We end by looking at postwar innovations by such writers as Silko, Coover and Barth.				
139.255	15 credits	S1	DL	AL
Critical Periods in Aotearoa New Zealand Literature		S1	I	AL
An introduction to the first century of New Zealand's literary history, focusing on important novels, short stories and poems from the critical periods of Māoriland writing (1870s-1910s) and cultural nationalism (1930s-50s), exploring their formal and thematic qualities, and relating them to their social and political contexts in light of recent scholarship.				
139.272	15 credits	*	*	*
Auckland Writers and Their Region				
An examination of selected writers associated with the Auckland region in the nineteenth and twentieth centuries. The role of place and the ethos of literature in the emergence of a sense of cultural nationalism will be considered, with particular reference to the writers associated with the mid-twentieth century mythology of a 'North Shore literature'.				
139.275	15 credits	*	*	*
Gothic				
An exploration of the term 'Gothic' in critical discourse, literature and film. The enduring Gothic themes of fantasy, the unconscious and death will be related to contemporary literary and social debates.				
139.301	15 credits	S1	DL	PN
Shakespeare's Worlds		S1	I	PN
An advanced study of selected dramatic works by William Shakespeare, the most enduring writer of the Early Modern period. The paper explores the world his works engaged with and their influence on our own world, taking a thematic overview across a variety of genres and considering the plays in their original contexts as well as significant contemporary interpretations.				
139.303	15 credits	*	*	*
Modern Drama				
A study of innovative modern plays, by means of investigative workshops, theatrical performances, lecture/demonstrations and seminar presentations.				
139.304	15 credits	*	*	*
Literature and Society in Early Modern England				
The literature of the period 1660-1760 is characterised by the urgency with which it addressed social changes that are recognisably modern. Three major themes in this literature are explored: the rise of individualism; the development of a feminist critique of gender relationships; the birth of the 'entertainment industry' as literature became a commodity in the marketplace.				

		Sem	Mode	Loc
139.305	15 credits	S1	DL	PN
Twentieth Century Literature				
A study of a variety of modern fiction and poetry. Emphasis will be given to aspects of literary modernism and postmodernism.				
139.307	15 credits	S2	DL	PN
The Victorian Novel: Territory, Modernity, Settlement		S2	I	PN
This course explores a range of Victorian novels and related recent criticism, highlighting the engagement by nineteenth century writers with questions of liberalism, democratisation, and the expansion of the British empire.				
139.320	15 credits	S1	I	PN
Theatre in Production		S2	I	WL
This paper continues the study of theatre as an expressive art, with a focus on processes of adaptation, particularly the creation of new texts from old. It combines critical and practical research, including the presentation of a developed stage work, to examine how design, music and acting generate meaning in the performance of a text.				
139.323	15 credits	S1	I	WL
Media Script Writing		DS	DL	PN
An introduction to the skills, formats, technique and terminology of professional writing for film and television, including consideration of the different natures of film and television as media and the issues involved in the adaptation of traditional literary forms for the modern media.				
139.326	15 credits	S2	DL	AL
Travel Writing		S2	I	AL
A study of travel writing, involving both critical and ideological analysis and creative writing developed from the students' own field work.				
139.327	15 credits	S2	DL	WL
Writing Creative Nonfiction		S2	I	WL
An exploration of the genre of creative nonfiction, with particular emphasis on the creative essay and on the application of techniques usually associated with fiction and poetry (voice, point of view, narrative, lyric structure) to nonfiction material.				
139.329	15 credits	S1	I	PN
Advanced Fiction Writing		DS	DL	PN
Students will advance their understanding of and practice in literary fiction writing by examining the use of voice, detail, character, plot, structure, dialogue, and language. In addition to reading both contemporary literary fiction and critical essays on the genre by authors, students will write original short stories and critically review their own work and the work of peers.				
139.330	15 credits	*	*	*
Writing Centre Practicum				
This practicum will develop students' ability to apply theories relating to writing pedagogy to practical contexts, and deepen their ability to become critical practitioners of the peer tutoring process. Students will develop an understanding of the theoretical basis of action research and will use this method to critically reflect on their own practice as writers and as peer tutors of writing.				
139.333	15 credits	S1	I	AL
Creativity in the Community		S1	I	WL
The paper provides an applied service learning project in the disciplines of expressive arts and media studies. Working collaboratively, students apply skills in theatre, performance, film-making, creative writing, media practice or mixed media to developing a creative response to a social issue or community need.				
139.352	15 credits	*	*	*
Postcolonial Literature				
A study of recent writing in English from diverse cultures, paying special attention to the ways in which these address the consequences of European colonisation. Recent postcolonial theory will provide a frame for textual analysis.				
139.361	15 credits	S2	DL	PN
The Literature of Women		S2	I	PN
A study of the dynamics between women and patriarchal society and the nature of female culture through the reading of selected literary texts by women. Brief reference will be made to the theoretical assumptions underlying feminist studies in order to establish the groundwork for such an enquiry.				
139.374	15 credits	S1	DL	AL
Tragedy		S1	I	AL
A study of tragedy as an enduring cultural concept, showing how it can find expression in dramatic and cinematic forms from Ancient Greece to the present. A selection of plays will be explored through textual analysis, production workshops and theatrical performance.				
139.376	15 credits	S2	I	AL
Sexual/Textual Politics				
A study of the representation of gender identity, sexuality and desire in narrative literature, myth and film.				

Sem	Mode	Loc	Credits	Description
		S1 DL PN	30 credits	139.703 Critical and Creative Research An introduction to the practice of research with creative texts. Students will learn practical techniques for planning and producing research in critical and/or creative modes. Fostering a critical voice and debating the cultural and social value of aesthetic communication will be integral to the paper.
		* * *	30 credits	139.707 Women, Desire and Narrative Feminist post-structuralist theory and relevant literary texts are used to examine how female desire and sexuality have been constructed within the patriarchal symbolic order. Consideration is also given to the extent to which language and narrative form function as the space for the negation as well as for the reclamation of female subjectivity.
		S2 DL PN	30 credits	139.710 Rhetoric, Composition and the Teaching of Writing This paper introduces students to contemporary theory and practice in writing instruction.
		* * *	30 credits	139.720 Poetry and Politics: The English Civil Wars This paper explores poetry of the English revolution, including major poets Andrew Marvell, John Milton and Lucy Hutchinson, and theorises the relationship of writing to fighting in seventeenth-century Britain.
		S1 DL WL	30 credits	139.724 Literary Revolutions: 18th Century and Romantic Literature A study of British literary culture during the eighteenth century and the early Romantic period. This paper explores relationships between poetry, novels, travel writing and political treatises in the period, including responses to the American and French Revolutions and illustrated accounts of Cook's voyages.
		* * *	30 credits	139.725 The Post-Romantic Subject A study of the representation of human subjectivity and changing notions about the nature of 'self' in Post-Romantic writing. Students will be introduced to recent textual and cultural theories about subjectivity that challenge essentialist and humanist assumptions. These theories will be elaborated through the reading of a variety of poetic and fictional texts from the nineteenth and twentieth centuries.
		* * *	30 credits	139.728 Early Modern Metadrama: Vices and Devices This paper studies self-referential drama, or metadrama, of the 16th-17th Centuries and the significant social, historical, and religious tensions which generate it. Reading texts by, before, and beyond Shakespeare, students will investigate the creative power, cultural awareness, and moral anxieties of its authors, actors, and audiences, engaging with vices, informers, patronage, censorship and the central question of authority.
		S2 DL AL	30 credits	139.750 Contemporary New Zealand Writers in an International Context This course sets contemporary New Zealand fiction and poetry in an international context. The innovations and technical demands of our most challenging writers will be studied with reference to selected international examples. Globalisation and the postcolonial will be addressed as key terms in contemporary cultural debate
		* * *	30 credits	139.751 A Topic in New Zealand Literature An examination of selected poems and critical writings by Allen Curnow and selected prose fiction by Janet Frame (about six novels and collections of stories, together with her Autobiography). Emphasis is given to close analytical reading of the texts and the discussion of historical and contextual as well as stylistic elements.
		* * *	30 credits	139.752 Aotearoa New Zealand Drama and Performance A study of twelve representative New Zealand plays, written between 1957 and the present, that reflect some major themes and problems of our society and offer a wide variety of theatrical idioms and techniques.
		* * *	30 credits	139.757 Twentieth-Century New Zealand Fiction: Texts and Theories A study of some major works of twentieth-century New Zealand fiction in the context of some significant theoretical developments and debates of the middle and late twentieth-century spanning deconstruction, postmodernism, feminism, postcolonialism and the idea of a national literary tradition.
		* * *	30 credits	139.758 Postcolonial Writing A study of some of the major recognised works and some more recent writing in postcolonial literature, primarily by authors from Africa and the Caribbean. Close reading of the fiction, combined with cultural criticism, is used to illuminate questions about the purposes of literature and how we study it.

Sem	Mode	Loc	Credits	Description
		S1 DL PN	30 credits	139.760 Writing Lyric Poetry: Blurring the Boundaries Students will investigate the lyric poem as a genre by examining and questioning assumptions about speaker, form, structure, and language. They will explore these issues through the reading of contemporary (late 20th and 21st century) poems and critical essays and through the writing of their own poems, critical essays and peer reviews.
		* * *	30 credits	139.761 Writing Contemporary Fiction Students will write original short fiction and see it through to a re-envisioned draft. Additionally, students will study trends in contemporary fiction in relation to modernism and postmodernism, focusing on issues of language, voice and structure.
		* * *	30 credits	139.763 Community Theatre What role does theatre have in the community? Is there a valid place for community theatre in a secular society? If so, what stories need to be told through theatre? How might we tell them? The exploration of these questions will involve, initially, the examination of a range of historical and contemporary models of community theatre. Students will then engage in exploratory workshops, in community research, writing, rehearsals and theatrical performance.
		* * *	30 credits	139.775 Trauma, Memory, Haunting A study of the dynamics of trauma, blocked memory, haunting and mourning at both individual and collective levels, focusing on contemporary fiction, film and theory. Topics for discussion include post-traumatic stress disorder, racial dislocation, war and masculine subjectivity, fantasy and the state, and articulations of the 'unspeakable'. The focus is on representation, on the means by which these concepts are given cultural significance through various discursive practices.
		DS DL PN	30 credits	139.799 Research Report (30)
		DS I AL		
		DS I PN		
		DS I WL		
		* * *	120 credits	139.800 MPhil Thesis A supervised and guided independent study resulting in a published work.
		* * *	60 credits	139.801 MPhil Thesis 120 Credit Part 1 A supervised and guided independent study resulting in a published work
		* * *	60 credits	139.802 MPhil Thesis 120 Credit Part 2 A supervised and guided independent study resulting in a published work.
		S1 DL PN	60 credits	139.816 Thesis 120 Credit Part 1 A supervised and guided independent study resulting in a published work.
		S1 I AL		
		S1 I PN		
		S1 I WL		
		DS DL PN		
		DS I AL		
		DS I PN		
		DS I WL		
		S2 DL PN		
		S2 I AL		
		S2 I PN		
		S2 I WL		
		S1 DL PN	60 credits	139.817 Thesis 120 Credit Part 2 A supervised and guided independent study resulting in a published work.
		S1 I AL		
		S1 I PN		
		S1 I WL		
		DS DL PN		
		DS I AL		
		DS I PN		
		DS I WL		
		S2 DL PN		
		S2 I AL		
		S2 I PN		
		S2 I WL		
		DS DL PN	120 credits	139.850 Thesis The supervised undertaking of an original piece of research into expressive arts.
		DS I AL		
		DS I PN		
		DS I WL		

		Sem	Mode	Loc
139.851	60 credits	DS	DL	PN
Thesis 120 Credit Part 1		DS	I	AL
The supervised undertaking of an original piece of research into expressive arts.		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
139.852	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		S1	I	AL
The supervised undertaking of an original piece of research into expressive arts.		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
139.860	120 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
139.861	60 credits	S1	DL	PN
Thesis 120 Credit Part 1		DS	DL	PN
A supervised and guided independent study resulting in a published work.		S2	DL	PN
139.862	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		DS	DL	PN
A supervised and guided independent study resulting in a published work.		S2	DL	PN
139.873	60 credits	S1	DL	PN
Research Report English (60)		S1	I	AL
		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
139.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1		S1	I	AL
A supervised and guided independent study resulting in a published work.		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
139.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2		S2	I	AL
A supervised and guided independent study resulting in a published work.		S2	I	PN
		S2	I	WL
139.883	90 credits	S1	DL	PN
Thesis		S1	I	AL
A supervised and guided independent study resulting in a published work.		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
139.899	120 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
139.900	120 credits	DS	I	AL
PhD English		DS	I	PN
		DS	I	WL

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FOOD TECHNOLOGY

		Sem	Mode	Loc
141.019	0 credits	S1	I	PN
Practicum				
A written report on a period of practical work experience demonstrating an understanding of dairy product manufacture.				
141.111	15 credits	S1	I	AL
Food Technology 1: Global Perspectives		S1	I	PN
Food Technology is the application of science and technology and mathematical principles, integrated with business and management, to develop and provide products and processes for industry and the community. In this paper you will help solve problems faced by many people in need. Concepts of systematic problem solving, communication and self assessment form an integral part of this project focused paper.		S2	I1	AL
141.112	15 credits	S2	I	AL
Food Technology 2: Creative Solutions		S2	I	PN
Food Technology is the application of science and technology and mathematical principles, integrated with business and management, to develop and provide products and processes for industry and the community. This paper allows you to develop your creative skills and encourages a thirst for knowledge. The development of prototyping, teamwork and communication through design form an integral part of this project focused paper.		S2	I1	AL
141.125	15 credits	S1	I	PN
Dairy Chemistry				
Milk production and milk collection technologies. Composition, functionality and structure of the important components of milk and their roles in dairy products. The effect of processing on the structure and functionality of milk constituents. Deteriorative reactions in milk and dairy products. Measurement of product composition. A laboratory course.				
141.126	15 credits	S1	I	PN
Dairy Microbiology and Preservation				
Important micro-organisms in milk and dairy products and factors affecting their reproduction and survival. Casein and cheese fermentation processes. Control of spoilage and pathogenic micro-organisms during production and storage of dairy products. Principles of Hazard Analysis Critical Control Point procedures. A laboratory course.				
141.127	15 credits	*	*	*
Dairy Processing				
Engineering principles underlying heat exchangers, pumping, centrifugal separation, homogenisation and ultra filtration. Application of these unit operations to dairy processing. An introduction to potable water and waste stabilisation treatments. A practical course.				
141.128	15 credits	*	*	*
Dairy Engineering				
Engineering principles underlying refrigeration, evaporation and drying. Application of these unit operations to dairy processing. Plant utility systems, including steam and boilers, electrical energy and electric motors. An introduction to instrumentation and control of dairy product manufacturing plant. A practical course.				
141.130	15 credits	S1	I	PN
Cheese Technology				
Technologies for manufacture of different types of cheeses: cheddar, cheshire, gouda and processed. Analysis of the manufacturing processes, including cheese starters, compositional factors, processing steps within the vat and processing steps post-vat. Fermented foods such as yoghurt. Manufacture of whey products. A practical course.				
141.131	15 credits	*	*	*
Milk Powder Technology				
Technologies for manufacture of skim and whole milk powders, including reception and standardisation, preheating, evaporation, homogenisation, primary and secondary drying, blending and packing. Description of evaporators and dryers. A practical course.				
141.132	15 credits	S1	I	PN
Casein Technology				
Technologies for manufacture of casein including: reception and pasteurisation of skim milk, methods of precipitation, cooking, dewheying and washing, dewatering and drying, grinding, blending and packing. Manufacture of caseinates and coprecipitates. A study of the principles of quality management and quality improvement techniques. A practical course.				
141.133	15 credits	*	*	*
Butter and Milkfat Technology				
Technologies for cream reception and pasteurisation, manufacture of butter by the Fritz process and manufacture of butter by the Ammix process. Manufacture				

of anhydrous milk fat, margarine and ice cream. Packaging of dairy products. A practical course.

141.206 15 credits * * *

Applied Food Science

An overview of the physical, chemical, biochemical and functional properties of major and minor food constituents (water, proteins, carbohydrates, lipids, vitamins, minerals, pigments, flavours, toxins) and food groups (dairy, meat, eggs and plants). Chemical and biochemical reactions causing deterioration in foods. New foods, functional foods, nutraceuticals, other innovative products and innovation practices.

141.208 15 credits * * *

Food Preservation

Significance of spoilage and pathogenic microorganisms in food and processing environments. Identifying potentially hazardous foods and other quality issues. Industrial hygiene and microbial preservation techniques to produce safe, wholesome foods. Hazard analysis and food safety programmes for industrial production and handling of food. Conventional, new and anticipated methods for detection, identification and enumeration of microbes in foods and on premises.

141.211 15 credits S1 | AL

Food Technology 3: Product Development S1 | PN

The development of new and improved products is a key role of most practicing food technologists. This paper provides the structured process and tools required for successful product development in the context of an applied project.

141.212 15 credits S2 | AL

Food Technology 4: Manufacturing S2 | PN

The design, development and on-going operation of manufacturing processes is central to the daily activities of most food technologists. This paper explores the key variables that impact the design, development and operation of food manufacturing processes within the context of an applied project.

141.221 15 credits * * *

Unit Operations for Food Processing I

The second law of thermodynamics and its application; prediction of heat transfer coefficients; air psychrometrics; principles of mass transfer; analysis of process engineering operations including heat exchangers and drying; particle technology; instrumentation, data transfer and related aspects of factory services. A laboratory course.

141.292 15 credits * * *

Food and Packaging Engineering I

An introduction to the physical properties of biological materials and packaging materials, including thermophysical properties of biological materials, the principles of rheology and the mass transfer and heat transfer properties of packaging materials. A practical course.

141.294 15 credits * * *

Engineering Principles

Units and dimensional analysis; conservation (mass and energy) balances of steady and unsteady state processes, first law of thermodynamics and its application; principles of steady and unsteady state heat transfer; fluid mechanics. A laboratory course.

141.311 15 credits S1 | AL

Food Technology 5: Food Microbiology and Safety S1 | PN

A project-based course aimed at providing the skills and knowledge to select appropriate food processing, storage and testing methods necessary to understand the growth and control of microorganisms to ensure food safety and quality. Specific components of food analysis and risk assessment will be applied to develop analytical and problem solving skills in an industry relevant scenario.

141.312 15 credits S2 | AL

Food Technology 6: Food Characterisation S2 | PN

A project-based course developing the selection and utilisation of food characterisation methodologies in assessment of food/ingredient function, quality and stability. The course will focus on instrumental and sensory methods of assessing structure, appearance, flavour and texture of a variety of food products. Assessment and characterisation tools will be used to develop analytical and problem solving skills in industry relevant scenarios.

141.355 15 credits * * *

Added-Value Processing of Food Products

An overview of food processing unit operations and their role in the industrial production of foods. A course designed to integrate food science, microbiology and food safety in the industrial environment with processing practices in order to offer novel methods to formulate foods and assure safety for the consumer.

141.356 15 credits * * *

Food Formulation and Assessment

A study of the industrial ingredients used in the formulation of foods along with the assessment techniques used to evaluate these ingredients and the resultant foods.

141.362 15 credits S2 | AL

Food Formulation Technology S2 | PN

A study of the physico-chemical properties of food ingredients and their interactions in food systems. Selection of suitable ingredients in food formulations, in particular, stabilisers, thickeners, gelling agents and emulsifiers. Understanding of the destabilisation mechanisms of food colloidal systems in relation to the ingredients used. Food regulation and food law. A practical course.

141.395 15 credits S1 | AL

Food Chemistry S1 | PN

A practical approach to the physical, chemical, biochemical and functional properties of major and minor food constituents (water, proteins, carbohydrates, lipids, vitamins, minerals, pigments, flavours, toxins) and food groups (dairy, meat, eggs and plants). Chemical and biochemical reactions causing deterioration in foods and some methods of control (including packaging). A laboratory course.

141.424 15 credits S1 | SP

Technologists and Business

Interpersonal skills and tools required for teamwork, project management and leadership in the workplace. Awareness of different management styles, organisational climates and organisational structures especially as they relate to R&D and production management. Ability to do product costings and understand a range of accounting and financial tools. Strategy and business planning and links to technology, R&D and product development.

141.444 15 credits * * *

Advanced Food Engineering

Mechanical properties of packaging, including compression and shear under static and dynamic loading conditions. Impact loading and vibration. Assessment of transportation hazards and their laboratory simulation; assessment of product fragility and design of packages to withstand transportation hazards. Design and performance testing of complete packages; test result evaluation. Case studies of advanced food process engineering operations. A practical course.

141.449 30 credits * * *

Food Engineering Project

A project involving either individual or group activity in which, under academic supervision, students apply their problem-solving skills, their design skills and their accumulated knowledge to a specific problem. Most projects involve either industrial problems or are related to research and development activities.

141.457 15 credits S1 | SP

Food Product Development

Qualitative and quantitative techniques used in development of new food products; generation and screening of new ideas; optimization of product design specifications using computer packages; multivariate statistical analysis for gap and preference analysis; consumer and market testing and financial analysis. A laboratory course.

141.458 15 credits S2 | AL

Nutrition and Food Choice S2 | PN

Nutrient requirements, nutrition and disease, functional properties of foods, New Zealand diet, influences on food choice including relevant models, role of nutrition within the New Zealand food industry.

141.459 30 credits DS | SP

Food Technology Project

An original investigation of a food industry problem or opportunity. The student works under academic supervision within an industrial research brief and learns from practice, systematic skills in problem analysis, research and communication. Consideration of ethical, legal and social environments. This major project integrates knowledge the student has already acquired.

141.471 15 credits S1 | SP

Food Process Design and Safety

The development and design of a product formulation and production process for a defined food product concept, and the production and marketing of the product at pilot scale. A study of the requirements and feasibility of factory scale manufacture, including financial analysis. Consideration of ethical, legal and social issues, including product and plant safety and environmental impact. A study of food manufacture in a variety of food processing companies. A study of essential services, including water and wastewater treatment. A practical course.

141.491 15 credits S1 | SP

Advanced Food Technology

An integrative study of food systems. Problem based learning is used to understand political, economic, societal and technological forces shaping the food industry. Topics include consumer preferences, legislation, food ingredient composition, modes of preservation, packaging and storage technologies, and emerging technologies in the design of food products for national and international markets. Case studies to emphasise the relevance of theoretical food research to the realities of the food industry today.

141.702 30 credits DS | AL

Food Product and Process Development DS | PN

Techniques used in product development, product formulation including use of quantitative techniques. The principles of product and process development,

risk management in new product introductions, causes of success and failure of products. The principles and practices of quantitative market and consumer research, sensory evaluation in commercial environment, market research tools and their use and understanding. Specific applications of sensory evaluation techniques and correlation with instrument assessment. Product costing, practices and tools involved in market segmentation and niche marketing.

141.703 30 credits DS I AL

Food Chemistry and Physics DS I PN

Applied chemical, physical and structural properties of food materials. Integrative aspects of structures and interactions of food components in natural and restructured food products. A study of biophysical properties of foods and their measurement, including rheology and texture. A study of selected modern instrumental methods for food component analysis.

141.705 30 credits S1 I PN

Advanced Nutrition S2 I PN

Advanced nutrition including current issues in nutrition and health, nutrition topics relevant to the food industry. Nutrition and food legislation.

141.706 30 credits S1 I AL

Food Process Engineering S1 I PN

Advanced rheology, unit operations, transport dynamics and reaction engineering and their application to the evaluation and design of food processes and equipment including thermal separation, preservation and packaging processes and equipment. A practical course with tutorials, pilot plant assignments and case studies.

141.708 15 credits S1 I AL

Food Packaging, Preservation and Storage S1 I PN

Application of a multi-disciplinary approach drawing from microbiology, chemistry, reaction kinetics, process engineering and packaging technology to the development, evaluation and optimisation of preservation processes, packaging technologies, and storage and supply chain systems for fresh and manufactured food products.

141.709 15 credits S1 I AL

Emerging Technologies for the Food Industry S1 I PN

In depth case-studies of the principles and modelling of novel food processes, including an appraisal of the advantages and disadvantages compared with established processes. New developments in the preservation of foods, the structuring of foods, the separation of food materials and packaging, storage and handling of foods can be studied.

141.710 15 credits S2 I AL

Food Packaging Engineering and Legislation S2 I PN

The properties of packaging materials and requirements of labelling/legislation and the implications of choice on product shelf life, integration with processing, transport, traceability and information systems, and impact on consumer interaction with the product, sustainability and product cost.

141.714 15 credits S1 B1 PN

Practical Rheology S2 B1 PN

A study of the theoretical framework and practical training for the reliable measurement and interpretation of rheological data in complex solid and fluid liquid systems.

141.716 30 credits S1 I AL

Research Report (Food) S1 I PN

Research in a defined area of Food Science, Technology or Engineering. S2 I AL
S2 I PN

141.717 60 credits DS I AL

Research Report (Food) DS I PN

Research in a defined area of Food Science, Technology or Engineering.

141.721 15 credits S1 B1 PN

Tools for Food Product Development

Techniques used in Product Development, product formulation, including quantitative techniques. The principles of product and process development, risk management in new product introductions, causes of success and failure of products. The principles and practice of quantitative market research and consumer research, sensory evaluation in a commercial environment, market research tools and their use and understanding.

141.722 15 credits * * *

Food Preservation and Storage

Application of a multi-disciplinary approach drawing from microbiology, chemistry, reaction kinetics, process engineering and packaging technology to the development, evaluation and optimisation of preservation processes, packaging technologies, and storage and supply chain systems for fresh and manufactured food products.

141.723 15 credits S2 I AL

Industrial Systems Improvement S2 I PN

Innovation in integrated engineering systems, emphasizing food industry systems and systems dynamics. Continuous improvement processes in industrial systems.

Systems design, planning and control for fast flow of products in supply chains. Methods and measures for control and daily decision-making in food businesses. Leadership of improvement teams in the workplace.

141.724 15 credits S1 I PN

Food Quality Safety and Innovation

This paper will cover risk assessment and management techniques that can be applied throughout the innovation cycle to ensure the development of safe foods of high quality and appropriate cost. The legal and commercial justification for ingredients, preservation, processing, packaging and distribution technologies will be taught.

141.725 15 credits S1 I PN

Food Business Innovation

This paper will comprise a series of case studies and business simulations of entire food value chains emphasising ingredient and FMCG information flows, the nature and mechanisms of FMCG retail channels and command of shelf space. Strategies will be designed for coping with sector dynamics and changing regulatory constraints for innovation dominated by technical or by business process change.

141.745 30 credits DS I PN

Dairy Science, Technology and Engineering

Specialised aspects of dairy chemistry, microbiology, process technology, engineering. Project and plant management. Product evaluation, product and process development. Dairy industry structure, strategy, organisation and function. Legislation and safety. A practical course.

141.746 30 credits DS I PN

Dairy Products Technology

Case studies in which the technology and control of the manufacture of appropriate dairy products such as cheese, butter, milk powder, casein and whey protein are examined. A practical course.

141.747 30 credits DS I PN

Dairy Products Research Projects

Research projects in the technology of appropriate dairy products such as cheese, milk powder, casein and whey protein. A practical course.

141.748 30 credits DS I PN

Dairy Science and Technology Research Project

An original research project that encourages integration of knowledge and practice of skills gained in the other papers. A rigorous scientific investigation applied to solution of real industrial problems.

141.749 30 credits DS I PN

Food Engineering Research Project

Students apply their problem-solving skills and accumulated knowledge to a specific Food Engineering research problem. This is an individual, scholarly research project conducted under academic supervision. Projects are either sourced from industry or are related to ongoing research and development activities at the university.

141.755 15 credits S1 DL PN

Added-Value Processing of Food Products

An overview of food processing unit operations and their role in the industrial production of foods. A course designed to integrate food science, microbiology and food safety in the industrial environment with processing practices in order to offer novel methods to formulate foods and assure safety for the consumer.

141.759 30 credits DS I AL

Food Technology Project DS I PN

An original investigation of a food industry problem or opportunity. The student works under academic supervision within an industrial research brief and learns from practice, systematic skills in problem analysis, research and communication. Consideration of ethical, legal and social environments. This major project integrates knowledge the student has already acquired.

141.772 30 credits DS I AL

Innovative Food Design and Development DS I PN

Students will commercialise an innovative food product from idea generation through to the business case for full-scale manufacture. The emphasis is on following a formal, systematic process that utilizes both qualitative and quantitative analysis techniques, within a realistic commercial context. Critical evaluation of the product development outcome and process from commercial, technical, and professional perspectives is an important component.

141.791 15 credits S1 I AL

Advanced Food Technology S1 I PN

An integrative study of food systems. Individual and group problem-based learning is used to understand political, economic, societal and technological forces shaping the global food industry. Additional aspects of the course focus on interactive project-based activities aimed at honing market awareness, product development and food production skills and competencies. Proficiency in the selection and application of appropriate tools and methodologies for quality assurance and evaluation will also be developed.

		Sem	Mode	Loc
141.794	15 credits	S1	I	AL
Special Topic		S1	I	PN
		S2	I	AL
		S2	I	PN
141.795	15 credits	S1	I	AL
Special Topic		S1	I	PN
		S2	I	AL
		S2	I	PN
141.796	15 credits	S1	I	AL
Advanced Topics in Food Engineering		S1	I	PN
Critical reviews, case studies, advanced study and/or research into selected aspects of Food Engineering.		S2	I	AL
		S2	I	PN
141.797	30 credits	DS	I	PN
Food Engineering Design				
Students will design an innovative factory-scale food manufacturing process based on a product specification. The emphasis is on following a formal, systematic methodology that makes appropriate use of both mathematical modelling and empirical data, within a realistic commercial context. Critical evaluation of the design outcome and process from commercial, technical, and professional perspectives is an important component.				
141.801	15 credits	S1	I	AL
Special Topic: Food		S1	I	PN
Research in a defined area of Food Science, Technology or Engineering.				
141.802	30 credits	DS	I	AL
Research Report: Food		DS	I	PN
Research in a defined area of Food Science, Technology or Engineering.				
141.803	60 credits	DS	I	AL
Research Report: Food		DS	I	PN
Research in a defined area of Food Science, Technology or Engineering.				
141.805	120 credits	DS	I	AL
Thesis		DS	I	PN
Research in a defined area of Food Science, Technology or Engineering.				
141.806	60 credits	DS	I	AL
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.		DS	I	SP
		S2	I	AL
		S2	I	PN
		S2	I	SP
141.807	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.		S1	I	SP
		DS	I	AL
		DS	I	PN
		DS	I	SP
		S2	I	AL
		S2	I	PN
		S2	I	SP
141.810	45 credits	S2	I	PN
Food Innovation Research Project				
Research in a defined area of food innovation.				
141.900	120 credits	DS	I	AL
PhD Food Technology		DS	I	PN

142

PROCESS AND ENVIRONMENTAL TECHNOLOGY

142.018	0 credits	S2	I	PN
Practicum I				
A written report on a period of practical work demonstrating an understanding of industry structure and also the legislative elements that affect the meat industry.				
142.019	0 credits	S2	I	PN
Practicum II				
A written report on a period of practical work experience demonstrating an understanding of process technology in the meat industry and its application.				

144

PUBLIC POLICY

144.900	120 credits	*	*	*
PhD Public Policy				

145

GEOGRAPHY

145.111	15 credits	S1	DL	PN
Society, Environment and Place		S1	I	AL
An introduction to the diversity of human geography. Three themes are selected from the following: local-global connections; geography of leisure and consumption; political geography; sustainable development.		S1	I	PN
		SS	DL	PN
145.121	15 credits	S2	DL	PN
Introduction to Physical Geography		S2	I	PN
How the Earth works: an overview of the morphology and dynamics of the Earth's surface and its environment.				
145.201	15 credits	S1	I	PN
Quantitative Methods in Geography				
This course will give students geographical skills and knowledge with a particular focus on sourcing, collecting, interpreting and presenting a wide range of quantitative data.				
145.213	15 credits	S1	DL	PN
Resource Conservation and Sustainability				
Various distinctly geographical approaches to resource conservation are discussed. Topics include: environmental change, human impact, renewable and non-renewable resource conservation, and the role of the state.				
145.214	15 credits	S1	I	PN
Social Change and Environment				
Exploration of the theme of social change and environment with reference to world systems and imperialism studied from a historical geography perspective and focusing on New Zealand.				
145.216	15 credits	S1	I	AL
Urban Environments		S2	DL	PN
An examination of aspects of the social, economic and political geographies of urban life, drawing upon various approaches in Human Geography.		S2	I	PN
145.218	15 credits	S2	DL	PN
Development and Inequality				
An investigation into how inequality impedes development in our world. Case studies from the Pacific, Asia and Africa consider the struggles of people disadvantaged by their ethnicity, gender or class.				
145.222	15 credits	S1	DL	PN
Rivers and Slopes		S1	I	PN
This paper identifies processes operating within drainage basins and the effects of human impact on this environment. Using theoretical concepts and fieldwork, the paper offers a framework for understanding slope and river landforms and sediments.				
145.223	15 credits	S2	DL	PN
Climate Change and Natural Hazards		S2	I	PN
Analysis of climate change and natural hazards including in-depth exploration of their causes, inter-relationships, impacts, and management.				
145.224	15 credits	S1	DL	PN
Biogeography				
An introduction to and explanation of the geographical distribution of living organisms in terms of current and former processes. Topics include biogeographical analysis, species diversity, introduction to palynology and environmental reconstruction, biogeography of New Zealand, Australia and the Pacific, conservation biogeography, and biogeography and climate change.				
145.230	15 credits	S2	I	PN
Coastal Environments				
An examination of coastal processes and landforms, coastal hazards, the management of contemporary coastal environments, and the evolution of coastal environments in response to climatic changes.				
145.301	15 credits	S2	DL	PN
Research Practice in Human Geography		S2	I	PN
An introduction to theoretical approaches in human geography, research design and qualitative methodology and techniques. There is a compulsory fieldwork component.				

		Sem	Mode	Loc
145.303	15 credits	SS	DL	PN
Field Work: Alpine Physical Geography				
Project-based fieldwork studying process-form relationships operating at a range of scales in an Alpine environment.				
145.304	15 credits	S2	DL	PN
Applied Field Geomorphology				
Field-based paper discussing recent and ongoing geomorphic research and its application in landscape management using selected sites in the North Island.				
145.311	15 credits	S1	DL	PN
Geographies of Globalisation				
The paper explores processes of globalisation emphasising spaces and agents of global change, and global-local connections across a variety of topics.				
145.318	15 credits	S1	DL	PN
Geopolitics				
An advanced study of geopolitical concepts and topics.				
145.320	15 credits	S2	I	PN
Quaternary Biogeography and Environmental Change				
This paper examines how we strive to understand the future of our environment, on a local to global scale, by investigating environmental evolution and change in the past, making extensive use of lab work.				
145.327	15 credits	S1	I	PN
River Dynamics				
Analysis of process-form relationships operating at a range of spatial and temporal scales within fluvial systems. Incorporates a fieldwork-based project.				
145.701	30 credits	S1	DL	PN
Power and Geographic Knowledge				
Examination of the philosophy of geographic knowledge; and an exploration of the ways in which the production and use of geographic knowledge is inextricably bound up with relations of power.				
145.702	30 credits	DS	DL	PN
Advanced Field Techniques in Geomorphology				
A critique and hands-on deployment of techniques for the collection of geomorphological field data, and subsequent analysis and interpretation of those data for resolving research questions in alpine, fluvial and coastal environments.				
145.704	30 credits	DS	I	PN
Advanced Quaternary Biogeography				
Study of quaternary environmental changes and their impact on vegetation patterns. Special use is made of palynology to provide the basic data from which vegetational history is reconstructed in New Zealand, South-east Asia and the South Pacific. Students do their own research project.				
145.705	30 credits	DS	DL	PN
Applied Geomorphology: Catchment to Coast				
A research-informed analysis of process-form relationships operating at a range of spatial and temporal scales within geomorphic systems from catchment to coast, considering the implications for landscape management.				
145.706	30 credits	S1	DL	PN
Historical Geography				
An examination of: research practices in historical geography, research themes including settlement in the 'new world', colonialism and imperialism, and the historical geography of New Zealand. A project using primary sources forms part of the coursework.				
145.707	30 credits	*	*	*
Economic Geography				
Several themes are examined in relation to the geography of advanced capitalism at global, national and intra-urban scales. Within this broad framework students are encouraged to develop personalised courses of study which reflect their individual interests.				
145.710	30 credits	S2	DL	PN
Consumption and Place				
This paper explores consumption processes, practices and places. Using a number of themes it encourages students to engage with relationships between production and consumption, cultural and economic change, and matters of identity and ethics.				
145.798	60 credits	*	*	*
Research Report (60)				
145.799	30 credits	DS	DL	PN
Research Report (30)				
145.800	120 credits	DS	DL	AL
Thesis				
A supervised and guided independent study resulting in a published work				

		Sem	Mode	Loc
145.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
145.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
145.870	60 credits	*	*	*
Research Report				
145.871	45 credits	S1	DL	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
145.872	45 credits	S2	DL	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work				
145.873	60 credits	S1	DL	PN
Research Report Geography (60)				
A supervised and guided independent study resulting in a published work.				
145.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
145.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
145.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
145.883	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work				
145.897	60 credits	S1	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
145.898	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
145.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
145.900	120 credits	DS	I	PN
PhD Geography				

146

SOCIAL ANTHROPOLOGY

146.101	15 credits	S1 DL PN
Introductory Social Anthropology		S1 I AL
Social Anthropology, a foundation discipline in the social sciences, seeks to explain and understand cultural and social diversity. This course introduces students to key contemporary topics in the discipline, including the practice of field research, politics and power, systems of healing, mythology and ritual, urbanisation and globalisation, kinship and family.		
146.102	15 credits	S2 DL PN
Endangered Cultures		S2 I AL
The impact of modern civilisation on indigenous peoples. Through a set of ethnographic case studies, exploration of Fourth World peoples' experiences of conquest, colonisation, culture change, assimilation, social disintegration, ethnocide, ecocide, modernisation and economic development and the indigenous movements they have developed in their struggle to survive and preserve their cultures.		
146.206	15 credits	S2 I AL
Visual Ethnography		
An in-depth exploration of visual representation from within and of a selected culture or cultures. Visual media including photography, documentary and fiction film, and video provide the basis for an intensive analysis of specific ethnographic representations in relation to wider anthropological issues.		
146.208	15 credits	S2 I PN
Political Anthropology		
An introduction to the anthropology of politics covering the various forms of political structures, processes and leadership in human societies as they are organised into bands, tribes, chiefdoms or states. Emphasis is placed on basic concepts for an anthropologically informed understanding of politics (e.g. power, authority, legitimacy and political culture) and on political ritual and the relationship between religion and politics.		
146.209	15 credits	S1 I PN
Food and Eating		S2 DL PN
This course explores the food chain, from production, through consumption, to exchange. It considers the ways in which food is implicated in the reproduction of and resistance to, inequalities of class, gender, and ethnicity.		
146.210	15 credits	S1 I AL
Ritual and Belief		SS DL AL
A study of selected topics in the fields of ritual and belief such as rites of passage, witchcraft, sorcery, shamanism and symbolic representation.		
146.211	15 credits	S1 DL AL
Systems of Healing		S1 I AL
A study of a variety of the ways that small communities of people throughout the world have developed to address the problems of illness. Students will be introduced to different cultural conceptions of the nature of the person, physical and spiritual; people's relations with the environment, physical and spiritual; and how order and unity within people and communities are maintained or, if lost, restored.		
146.213	15 credits	S1 DL PN
Anthropological Enquiry		S1 I PN
An introduction to the language of anthropological enquiry and to the historical and philosophical connections between key concepts and perspectives in sociocultural anthropology.		
146.214	15 credits	* * *
The Politics of Culture		
Anthropological approaches to nationalism, ethnicity and the politics of culture with some reference to the South Pacific.		
146.302	15 credits	S1 DL PN
Regional Ethnography: Asia		S2 I AL
A study of historical and contemporary ethnographic work covering one or more selected regions, with a focus on Asia.		
146.303	15 credits	S1 I AL
Practice of Field Work		S2 DL PN
Through a study of accounts of field work experience by anthropologists, students will develop their knowledge and appreciation of the perspectives, approaches, methods, problems, experiences and ethics involved in anthropological field work based on participant observation.		
146.304	15 credits	S1 I PN
Culture, Biology and Racism		
An advanced study of anthropological perspectives on the issue of 'race' and racism, including the nature/nurture debate, scientific racism, biological determinism and sociobiology.		

146.307	15 credits	* * *
The Cultural Construction of Gender and Sexuality		
A cross-cultural examination of the diversity and complexity of gender relations and identity. Through a series of ethnographic case studies, consideration of how women and men are shaped by particular forms of social life. Past and present theorisation of gender relations and the relation between this body of theory and anthropological practice will be examined.		
146.311	15 credits	SS DL PN
Medical Systems of China, India and the West		
This paper consists of an introduction to the study of the world's great literate medical traditions: Chinese, Indian and Western. The first half of the paper outlines the history and basic principles of Chinese and Indian literate medical traditions. The second half of the paper develops some anthropological analyses and critiques of Western medicine.		
146.313	15 credits	* * *
Issues in South Pacific Anthropology		
An exploration of current issues and theoretical debates in the anthropological study of the South Pacific. Issues discussed include the processes and consequences of nation-state formation and the commodification of culture through tourism.		
146.316	15 credits	S1 DL PN
Visual Anthropology: Southasia and Global Issues		S1 I PN
The study of the use of film, video and multimedia representations of Southasia and Global issues for anthropological research and practice.		
146.317	15 credits	* * *
Urban Anthropology		
A comparative approach to the emergence of cities in a range of cultures worldwide, the ethnographic exploration of a variety of sociocultural phenomena distinctive to urban life and a consideration of the contribution of urban studies to anthropology in general.		
146.318	15 credits	S2 DL PN
Environmental Anthropology		S2 I PN
An exploration of historical and contemporary approaches in environmental anthropology. Nature/culture relationships are examined from a variety of theoretical and ethnographic perspectives. Key areas include human ecological relations, cultural perceptions of the natural environment, identity and sense of place, the impact of globalisation, and the cultural-politics of environmental activism.		
146.701	30 credits	S1 DL PN
Contemporary Approaches in Anthropological Theory		S1 I AL
A study of current theoretical issues and debates in social anthropology.		
146.703	30 credits	S1 DL PN
The Practice of Anthropology		S1 I AL
A study of the methodological dimensions of intensive long-term research in other cultures.		
146.798	60 credits	DS DL PN
Research Report (60)		DS I AL
		DS I PN
		S2 DL PN
		S2 I AL
		S2 I PN
146.799	30 credits	DS DL PN
Research Report (30)		DS I AL
		DS I PN
		S2 DL PN
		S2 I AL
		S2 I PN
146.800	120 credits	DS DL PN
MPhil Thesis		DS I AL
A supervised and guided independent study resulting in a published work.		
146.801	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 1		S2 I PN
A supervised and guided independent study resulting in a published work.		
146.802	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 2		S2 I PN
A supervised and guided independent study resulting in a published work.		

			Sem	Mode	Loc
146.816	60 credits		S1	DL	PN
Thesis 120 Credit Part 1					
A supervised and guided independent study resulting in a published work.					
			S1	I	AL
			S1	I	PN
			DS	DL	PN
			DS	I	AL
			DS	I	PN
			S2	DL	PN
			S2	I	AL
			S2	I	PN
146.817	60 credits		S1	DL	PN
Thesis 120 Credit Part 2					
A supervised and guided independent study resulting in a published work.					
			S1	I	AL
			S1	I	PN
			DS	DL	PN
			DS	I	AL
			DS	I	PN
			S2	DL	PN
			S2	I	AL
			S2	I	PN
			SS	DL	PN
			SS	I	AL
			SS	I	PN
146.899	120 credits		DS	DL	PN
Thesis					
A supervised and guided independent study resulting in a published work.					
			DS	I	AL
			DS	I	PN
146.900	120 credits		DS	I	AL
PhD Social Anthropology					
			DS	I	PN

147

REHABILITATION STUDIES

147.101	15 credits		S1	DL	PN
Rehabilitation Studies					
An introduction to the principles and practices of rehabilitation. The processes of rehabilitation are explored with particular reference to the International Classification of Functioning, Disability and Health (ICF). Emphasis is placed on exploring a person-centred approach to rehabilitation.					
147.102	15 credits		S1	DL	PN
Mental Health and Society					
The paper provides an introduction to mental health and illness with a focus on New Zealand society. Attention is given to the social context of mental health and wellbeing, including the impact of inequalities on mental health, and the experience of stigma for those with a mental illness.					
147.201	15 credits		S2	DL	PN
Issues in Rehabilitation					
A study of major issues related to rehabilitation processes and practices. Students will examine rehabilitation in relation to personal, social and environmental factors and be introduced to terms, concepts and models related to disability, age, gender, culture, legal and political contexts, family and society, advocacy and inclusion.					
147.202	15 credits		S2	DL	PN
Mental Health Policy and Practice					
The paper provides an overview of the policy and practice of mental health services and wellbeing in New Zealand. Attention is given to the role of housing, education and employment in promoting wellbeing among people with a mental illness. The importance of health policy for promoting mental health is also described.					
147.203	15 credits		S2	DL	PN
Measurement in Rehabilitation					
An examination of the principles of measurement is applied to both assessment and outcome measures commonly used in rehabilitation. Emphasis is placed on measures of adjustment, activities of daily living (ADL) and quality of life (QOL).					
147.301	15 credits		S2	DL	PN
Community-based Rehabilitation					
An examination of the roles of community-based rehabilitation providers, their scope of practice, models of rehabilitation and disability, professionalism, ethics, advocacy and person-centred rehabilitation services located in the community.					
147.302	15 credits		S1	DL	PN
Alcohol and Drug Use					
The paper focuses on alcohol and drug use in New Zealand, including biophysical, psychological and social aspects; the epidemiology of drug use and associated problems, including legal and public policy responses. An overview of interventions required to reduce harmful psychological, medical and social impacts is provided with particular emphasis on harm reduction and health promotion as intervention tools.					

			Sem	Mode	Loc
147.701	30 credits		S1	DL	PN
Rehabilitation Theory and Practice					
Rehabilitation theory, process and practice in physical, social and vocational rehabilitation are examined. Models of rehabilitation are investigated alongside theories and models of health and disability, advocacy and person-centred rehabilitation.					
147.702	30 credits		*	*	*
Rehabilitation Counselling					
A broad survey of the counselling approaches in dealing with personal adjustment to disabling conditions is undertaken. Emphasis is placed on counselling theories and their application to the area of rehabilitation from a cross-cultural perspective.					
147.703	30 credits		*	*	*
Vocational Rehabilitation					
A thorough investigation of the major theories, frameworks, support systems and practices employed in vocational assessment, evaluation and placement. Emphasis is placed on vocational and avocational adjustment for working-age adults who have a disability with some reference to the transition from school to adulthood.					
147.704	30 credits		S1	DL	PN
Drugs and Society					
This paper explores the historical relationship between drugs and society, identifying fundamental patterns in the development of current international approaches to drug control, treatment and rehabilitation, reviewing evidence both for and against these approaches, and illustrating their ramifications for treatment and rehabilitation programmes.					
147.705	30 credits		*	*	*
Education and Rehabilitation of the Visually Impaired					
Exploration of the unique aspects of rehabilitation and special education as they pertain to visually impaired children and adults. The causes, effects on functioning and remediations, and the specific services and delivery systems available are covered. Emphasis is placed on low vision services throughout.					
147.706	30 credits		*	*	*
Adaptive Communication and Independent Living Skills					
Exploration of the effects of disability on communication and other activities of daily living. Sensory alternatives, creative adaptations and methods of intervention are reviewed. Emphasis is placed on assessment, task analysis and instructional design.					
147.707	30 credits		*	*	*
Orientation and Mobility					
Exploration of the principles of independent travel for blind and visually impaired people, as well as the specific techniques employed to achieve safe and efficient travel in myriad environmental settings.					
147.709	30 credits		*	*	*
Rehabilitation Practicum					
Supervised practice in field work placements in one or more areas of rehabilitation. Placements will be selected by the student in consultation with the paper coordinator and be carried out under the direction of an approved supervisor.					
147.712	30 credits		*	*	*
Coexisting Substance Use and Mental Health Problems					
An examination of contemporary therapeutic models of care for clients with coexisting substance abuse and mental health disorders. A range of assessment, engagement and intervention strategies, which underpin effective rehabilitation, are introduced. Cultural and psychosocial influences and relevant legislation are addressed.					
147.791	30 credits		*	*	*
Special Topic I					
147.798	60 credits		*	*	*
Research Report (60)					
147.799	30 credits		S1	DL	PN
Research Report (30)					
			S2	DL	PN
147.816	60 credits		DS	DL	PN
Thesis 120 Credit Part 1					
A supervised and guided independent study resulting in a published work.					
147.817	60 credits		DS	DL	PN
Thesis 120 Credit Part 2					
A supervised and guided independent study resulting in a published work.					
147.899	120 credits		DS	DL	PN
Thesis					
A supervised and guided independent study resulting in a published work.					
147.900	120 credits		DS	DL	PN
PhD Rehabilitation					

148

HISTORY

148.105	15 credits	S1 DL PN
The World Since 1900		S1 I PN
A survey of the international, political, economic, social, scientific and technological developments shaping the world since 1900.		
148.109	15 credits	* * *
European Roots		
A survey of major and recurring themes in European history 1000-2000, with particular focus on the period 1648-1914.		
148.110	15 credits	* * *
Headlines in History		
An introduction to the study of contemporary issues in historical context.		
148.111	15 credits	S2 DL PN
A History of the World		S2 I AL
A history of the development of human societies in their physical and cultural environments from the earliest times to the present day. The colonisation of the globe by humans and their interaction with the environment is one central theme. Another is questioning why different societies developed in different ways. A third is the consequences of their eventual interaction with one another.		
148.113	15 credits	S2 DL PN
Early Medieval England		
An introduction to the political and social cultures of early medieval England. The predominance of the West Saxon kings in the 9th - 10th centuries, the Viking settlements of the 9th - 11th centuries and the Norman Conquest in the later 11th century form the political backdrop against which the cultural developments of the period are studied.		
148.114	15 credits	S1 DL PN
Making New Zealand: A Survey to 1914		S1 I AL
A survey of New Zealand social, political, economic and environmental history to 1914.		
148.115	15 credits	* * *
Remaking New Zealand: A Survey Since 1914		
A survey of New Zealand social, political, economic and environmental history from 1914.		
148.116	15 credits	S1 DL PN
Medieval Europe		S1 I PN
An introductory survey course on the history of Medieval Europe examining the development of political institutions, society and culture.		
148.120	15 credits	S2 DL PN
Blockbuster and Biopics: History at the Movies		S2 I PN
The ways in which popular culture shapes our understanding of the past are examined through recent movies.		
148.204	15 credits	S1 DL PN
The New Zealand Land Wars		S1 I PN
A study of the New Zealand Land Wars, focusing on the causes, campaigns and consequences.		
148.205	15 credits	S2 DL PN
New Zealand Politics Since 1890		
A survey focusing on New Zealand political history in its economic and social context and international affairs from the 1890s to the present.		
148.208	15 credits	S1 I AL
Revolutionary Europe 1750-1850		S1 I PN
A survey of European history in the age when the French revolution and the industrial revolution transformed the old social order, with particular reference to Great Britain.		
148.212	15 credits	S1 DL PN
The Crusades		
A study of medieval European holy war.		
148.213	15 credits	* * *
Modern United States History		
A survey of the social and political history of the United States of America since the Civil War.		
148.214	15 credits	* * *
New Zealand Rural History		
A survey of the history of farming and rural society in New Zealand.		

148.216	15 credits	* * *
The Tudors and the English Reformation		
A study of political and cultural issues related to the Tudor administrations and the Reformation of the English Church during the sixteenth century.		
148.217	15 credits	S2 DL PN
Victoria's World		S2 I AL
A study of the economic, social and cultural history of Britain and its empire from about 1830 to World War I.		
148.218	15 credits	SS DL PN
The Vikings		
A study of Viking contacts in Europe during the 8th-11th centuries, with a focus on the political, economic, social and religious contexts of the migrations to and settlements in the north-eastern Atlantic (France, England, Ireland, Scotland and Iceland).		
148.220	15 credits	S1 DL PN
The Second World War		S1 I AL
A survey of the Second World War which is both thematic and chronological.		
148.221	15 credits	S1 DL PN
The Black Death and Other Plagues, 1300-1700		
A study of epidemic disease and its effects in medieval and early modern Europe.		
148.222	15 credits	S2 DL PN
Popular Culture in Medieval Europe		S2 I AL
A study of popular culture and belief in medieval Europe with a focus on the ways religion shaped social customs and attitudes.		
148.251	15 credits	S2 DL PN
A Military History of the First World War		S2 I PN
This paper is an examination of the strategy, tactics, technology and military implications of the First World War.		
148.301	15 credits	* * *
English Radicalism		
A study of political, working-class, middle-class, religious and intellectual movements in England of the period 1750-1870.		
148.313	15 credits	* * *
The French Revolution		
A study of political and social change in France between 1789 and 1799.		
148.316	15 credits	S2 DL PN
New Zealand Between the Wars		S2 I AL
A study of developments in the period between the two World Wars.		
148.317	15 credits	S2 DL PN
New Zealand Religious History		S2 I AL
The institutional and social history of religion in New Zealand from the missionary age to the present.		
148.324	15 credits	* * *
Late Medieval England		
Study of the culture and society of fourteenth and fifteenth century England.		
148.329	15 credits	* * *
Fascism		
A survey of the origins and nature of Fascism, mainly but not exclusively in Europe between the World Wars.		
148.330	15 credits	S2 DL PN
Medieval Women		
A cultural study of women's experience in medieval England.		
148.331	15 credits	S1 I AL
Germany's Long Century, 1871-1991		
A thematic and generally chronological survey of German history from 1871 to 1991.		
148.332	15 credits	S1 DL PN
The Politics of Protest		S1 I PN
The nature, causes and forms of protest in democratic societies such as New Zealand are the focus for study. Students examine various models of and explanations for protest, and test these against both historical and contemporary case studies from both New Zealand and elsewhere. The responses of the state to active dissent are also analysed closely.		
148.333	15 credits	S1 DL PN
The Napoleonic Wars		
An analysis of the Napoleonic Wars, 1799-1815, and their impact on politics and society.		

148.334	15 credits	S1	DL	PN
Sports History				
An analysis of the relationship between sport and society, commencing with the development of sport in Britain during the second half of the nineteenth century and related topics such as sport and empire, women in sport and commercialism and nationalism in sport.				
148.335	15 credits	S1	DL	PN
The Great War and its Legacy				
An exploration of the social, cultural, political and economic impacts and the longer term consequences of the Great War 1914-18.				
148.336	15 credits	*	*	*
Urbanisation in the British Empire				
An investigation of the process and impact of urbanisation in the United Kingdom, New Zealand and Australia in the late nineteenth and early twentieth centuries.				
148.337	15 credits	S2	DL	PN
Māori Responses to Colonisation				
An in-depth investigation of Māori efforts to retain and enhance tino rangatiratanga and mana motuhake since colonisation, both through engagement with the Crown and through the development of indigenous movements and inter-tribal cooperation.				
148.338	15 credits	*	*	*
Issues in Christian History				
An exploration of how the identity of the Churches and Christianity in general have been shaped by critical controversies and by deep interaction with the culture of their day.				
148.720	30 credits	S1	B1	AL
Advanced Historiography				
An examination of the relationship between ideas about the nature and meaning of history and the writing of history. The paper concentrates on groups of historians who have propounded a philosophy of history and have been practitioners of the historian's art.				
148.730	30 credits	S1	B1	AL
Advanced Historical Methodology				
A study of the theory and practice of historical research methodology.				
148.798	30 credits	*	*	*
Research Report (30)				
148.799	60 credits	DS	DL	PN
Research Report (60)				
148.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
148.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
148.802	60 credits	*	*	*
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
148.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
148.817	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
148.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
148.900	120 credits	DS	I	AL
PhD History				
DS I PN				

149

DEFENCE AND STRATEGIC STUDIES

149.100	15 credits	S1	DL	PN
Fundamentals of Command				
The paper will provide an introduction to the subject of military command. It introduces the concept of command as vested authority incorporating elements of leadership and management. It also introduces several key issues of relevance to				

military commanders and examines whether there is a particular New Zealand style of command.

149.110	15 credits	*	*	*
Introduction to Logistics				
The paper will provide an introduction to military logistics with an emphasis on the application of logistics in both war and military operations other than war.				
149.140	15 credits	S1	DL	PN
An Introduction to Military Operations				
An introduction to military operations in a joint (interservice) environment. It examines the application of military power in conventional warfare across offensive, defensive, stability and support operations.				
149.151	15 credits	DS	DL	PN
An Introduction to the History of Modern Warfare				
A survey of the history of warfare, with special emphasis on the impact of technology on battlefield tactics from about 1450 until the present day.				
149.170	15 credits	S1	DL	SP
Introduction to Border Security				
An introduction to the concept of border security. It will explore security challenges and the implications of these to border security both internationally and for New Zealand. It will also look at the various border security agencies and their responses to managing border security risks with a focus on interagency collaboration, risk management and the impact of policy.				
149.171	15 credits	S2	DL	SP
The Security of Global Trade				
This paper is an introduction to the security of global trade and the supply chain, along with the role of border agencies in ensuring this security. The paper will look at the rise of globalisation and the security risks increased global trade has on the supply chain before looking at the different models being used internationally to ensure security of the supply chain.				
149.180	15 credits	S1	DL	SP
Introduction to Security Studies				
An introduction to the key theories of security to show how these theories have evolved historically and how the evolving concept of security creates, sustains and disrupts traditional theories on nation states, our understanding of politics, and other social systems. It will also overview the various challenges to security in the contemporary environment along with possible solutions to those challenges.				
149.190	15 credits	S2	DL	WL
Police and Policing in Society				
An introduction to theories and concepts of policing and how the nation and society fit into these. The paper will also provide an overview of the evolution of police and law enforcement internationally and nationally.				
149.210	15 credits	*	*	*
Intermediate Logistics				
This paper continues the study of military logistics in a contemporary perspective through an examination of a multi-functional logistics environment at the tactical level in peace and war.				
149.230	15 credits	*	*	*
Military Law				
This paper provides an overview of the military justice system. A selection of legislation will be discussed with particular emphasis to its impact on the NZDF and its commanders. The principles of the laws of armed conflict will be introduced.				
149.245	15 credits	S2	DL	PN
Irregular Warfare				
The theory and conduct of irregular warfare including in joint (interservice), combined (multinational) and interagency environments, and incorporating both historical and contemporary case studies.				
149.265	15 credits	S2	DL	WL
Maritime Strategy				
A study of maritime strategy with a focus on maritime power theories, principles, and technology. The paper includes particular reference to the Asia-Pacific maritime environment.				
149.272	15 credits	S1	DL	WL
Intelligence in the Security Environment				
This course provides a critical examination of intelligence in the security environment. It looks at current global and NZ specific security risks, the intelligence cycle, and an intelligence-led enforcement model that collects and analyses information to produce intelligence products that inform operational decision making.				
149.280	15 credits	S2	DL	WL
Emerging Security Issues				
This paper will provide an understanding of the global nature of security issues and the policies and procedures developed to address them, with particular reference to New Zealand. This paper also examines emergent security issues and how they can be addressed.				

149.300 **15 credits** S2 DL PN

Current Issues in Command Studies

An examination of contemporary events and trends in the political, military and social environment that may impact upon the nature of command, both now and in the future. The paper employs a collaborative approach to the identification and analysis of current issues in the field of command studies.

149.325 **15 credits** S1 DL WL

International Peacekeeping

A critical examination of the theories, concepts, evolution, and contemporary practice of peacekeeping (including peace-making, peace support, and peace enforcement) with application to the regional and global environments.

149.335 **15 credits** S1 DL WL

Law of Armed Conflict

This paper is an examination of the law of armed conflict during times of international and non-international armed conflict.

149.340 **15 credits** S1 DL WL

Operational Art and Strategy

This paper continues the study of military operations beyond tactics to campaigns and strategy. It focuses on principles, doctrines and case studies.

149.350 **15 credits** S2 DL PN

The History of Defence and Security Intelligence

A study of the history of military intelligence and its role in advice to government.

149.360 **15 credits** S1 DL PN

Defence and Security Technology

This paper is an examination of the essential elements of technology in the defence and security environments and their impact upon the conduct of defence and security operations.

149.370 **15 credits** S1 DL PN

Psychology of Evidence in the Security Environment

This paper is an examination of the scientific field of psychology of evidence with a focus on practical application by police and security forces. Topics covered include psychological factors related to eyewitness testimony, false memories, investigative interviewing, false confessions, and detecting deception.

149.375 **30 credits** * * *

Applied Research Internship

The paper provides selected students with direct workplace experience and an opportunity to develop and produce an interdisciplinary applied professional research report for a nominated defence and security government agency or private sector organisation.

149.380 **15 credits** S1 DL WL

Strategy and Security

This paper explores major strategic themes and security issues with a particular emphasis on the challenges facing New Zealand and the Asia-Pacific region.

149.381 **15 credits** S2 DL WL

Terrorism and Political Violence

This course critically explores the concept of 'Terrorism' and related forms of political conflict and violence. New Zealand's understanding and responses to the phenomena labelled as 'terrorism' will be a key aspect of the course. The course will also address such substantive issues as the how non-state actors engaged in political conflict and violence fund their activities.

149.385 **15 credits** S2 DL WL

Security and the Law

The paper examines the institutions and legal principles that regulate the conduct of states in relation to national and international security. Topics include international and domestic law and their place in decision and policy making; state sovereignty, territory and jurisdiction; state responsibility; international dispute settlement; the use of force; and the role of international organisations in maintaining international security.

149.701 **30 credits** S1 B1 MA

The New Zealand Strategic Environment

A study of strategic theory and the domestic and international factors affecting New Zealand's strategic environment.

149.704 **30 credits** S1 DL BR

Leadership, Management and Command

An advanced study of the interrelated components of leadership, management and command with an emphasis on how these are applied in the contemporary security environment.

149.707 **30 credits** S1 DL WL

The Middle East Security Environment

An advanced study of the Middle East security environment with a focus on the interplay of the geography, history, politics, and religions of the region and the impacts of these on both regional and global security.

149.709 **30 credits** S1 DL WL

Terrorism, Insurgency and Transnational Crime

A consideration of the phenomenon of contemporary terrorism, its impact and the implications for defence and security forces.

149.710 **30 credits** * * *

Military History

The study and application of military history in the military profession for the contemporary operating environment. The paper assesses and analyses military history as a training, educational and doctrine- or policy-relevant learning tool, its relevance to tradition and esprit de corps, its methodologies and key debates, and forms of dissemination such as the professional journal, the staff ride, commemorative activity, museums, and official history.

149.715 **30 credits** S1 B1 BR

The Brunei Strategic Environment

Strategic theory and domestic and international factors affecting the strategic environment of Brunei with reference to the wider issues of South East Asia and the Pacific.

149.720 **30 credits** S1 B1 BR

International Security

This paper undertakes a critical analysis of the essential principles of international security as applied in the contemporary operating environment. It explores the combined effects of a diverse range of factors on international security and evaluates the major ethical implications of the emerging security challenges and the potential responses to them.

149.725 **30 credits** S2 DL WL

International Security and Peacekeeping

An advanced study of the role of peacekeeping in international security with a focus on the factors that need to be considered when establishing, conducting and evaluating international peacekeeping interventions in a multinational and interagency environment.

149.732 **30 credits** S2 DL WL

Public International Law for Defence and Security

The paper examines the international institutions and legal principles that regulate the conduct of states specifically in relation to defence and security. The pervasive themes will be; the effectiveness of the international bodies in enforcing substantive rules, and the implications for defence and security policies of international cooperation.

149.740 **30 credits** S2 DL WL

Security and Crime

This paper undertakes a critical assessment of criminological theories and the methods in which crime is described and analysed in relation to the international security environment. This Paper focuses on the role of various agencies in reducing and containing transnational crime and the merits of national security policies.

149.741 **30 credits** S2 DL WL

Intelligence in the International Security Environment

This paper is an analysis of intelligence in the international security environment. It includes the key concepts and methodologies of intelligence gathering and analysis, and the intelligence cycle. It concludes with an analysis of applied intelligence in investigations and detection.

149.744 **30 credits** S1 DL WL

Intelligence Operations

This paper provides a critical analysis of security intelligence operations, utilising research and observations from selected case studies to understand the changing nature of intelligence and to critically appraise its role in national and international security operations.

149.745 **30 credits** S2 DL WL

Crime Science

A critical examination and application of the formal principles of Crime Science. Defined as a distinct method capable of facilitating the prevention and detection of crime by studying crime, not offenders the paper will explore the underpinning features of Crime Science – ensuring problem identification and response options are all carefully understood before any application of Crime Science techniques are considered.

149.760 **30 credits** S2 DL PN

Defence and Security Technology

An examination of advanced elements of defence and security technology and their impact on warfare and security operations.

149.770 **30 credits** S1 DL WL

Border Management in the Contemporary Security Environment

A study of interagency border management set against the backdrop of key events in the contemporary security environment, with reference to international case studies that enable analysis and evaluation of the principles and processes of establishing and operating an interagency border management environment.

149.790	30 credits	S1 DL WL
Research Methods in Defence and Security Studies		DS DL WL
Theory, practice and application of research for scholarly and professional works in defence and security studies including: qualitative and quantitative research methodologies, data collection and analysis, and interpretation to be applied to historical, contemporary or future-focussed research.		
149.795	30 credits	S2 DL PN
The Cyber Security Environment		
This paper critically examines Cyber Security in the international security environment and considers the principles and evolution of Cyber Security technologies, threats, applications, responses as well as future considerations.		
149.798	30 credits	DS DL PN
Research Report (30)		
149.799	60 credits	DS DL PN
Research Report (60)		
149.800	120 credits	DS DL PN
MPhil Thesis		
A supervised and guided independent study resulting in a published work		
149.801	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 1		S2 I PN
A supervised and guided independent study resulting in a published work.		
149.802	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 2		S2 I PN
A supervised and guided independent study resulting in a published work.		
149.820	60 credits	S1 DL WL
Applied Security Research Project		DS DL WL
Students undertake a research project that is relevant to and builds on their professional experience in international security. It includes a module on research methods and planning, reflective progress and completion reports, and the written professional report.		
149.821	60 credits	S2 B1 BR
Applied Security Planning Exercise		S2 B1 MA
This paper is an application of professional and academic knowledge to an advanced security planning exercise in a multiagency environment.		
149.873	60 credits	S1 DL PN
Research Report Defence and Security Studies (60)		DS DL PN
149.881	45 credits	S1 DL PN
Thesis 90 Credit Part 1		DS DL PN
A supervised and guided independent study resulting in a published work.		
149.882	45 credits	S2 DL PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
149.883	90 credits	* * *
Thesis		
A supervised and guided independent study resulting in a published work.		
149.891	45 credits	DS DL PN
Thesis 90 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
149.892	45 credits	DS DL PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
149.894	60 credits	DS DL PN
Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
149.895	60 credits	DS DL PN
Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
149.896	120 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
149.899	120 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
149.900	120 credits	DS I PN
PhD Defence and Strategic Studies		

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MĀORI STUDIES

150.001	15 credits	* * *
Bridging Studies in Māori Culture and Society		
This paper prepares students for university level study of Māori culture, social sciences and education and examines the principles and implications of biculturalism and the Treaty for New Zealand's social institutions and practices.		
150.106	15 credits	S1 DL PN
Nga Hanga Whakairo: Traditional Māori Visual Art		
An introduction to the scope of Māori art with a view to recognising traditional elementary forms and their significance. Social and cultural dimensions will be considered and Māori art forms from pre-contact times to the present will be examined within the context of a dynamic and changing society.		
150.107	30 credits	S1 I PN
Mata Puare: Studio IA		
An exploration of the principles and elements of design and their application within two-dimensional contexts. The cultural significance of Māori design processes will be examined in order to understand interrelationships between form and content.		
150.108	45 credits	S2 I PN
Mata Puare: Studio IB		
An exploration of the principles and elements of design and their application within three-dimensional contexts. The cultural significance of Māori design processes will be examined in order to understand interrelationships between form and content.		
150.110	15 credits	S1 DL PN
Te Reo Whakahoahoa: Socialising in Māori		S1 I PN
An introductory paper in Māori language. The paper is for students who have no previous knowledge of the language. There will be an emphasis on oral competency, pronunciation, sentence construction and the extension of vocabulary beyond simple greetings.		
150.111	15 credits	S2 DL PN
Te Reo Konakinaki: Developing the Language		S2 I PN
Ko tenei whakaakoranga reo Māori hei mahinga ma te tauria kua timata ke ki te ako i te reo Māori. Ko tona tino kaupapa, ka whakamahia te reo hei reo whakawhitihiti whakaaro, hei reo kororero i waenganui i te tangata. For students with experience in learning Māori language and who wish to continue learning through university study. There is an emphasis on using and understanding spoken and written Māori as a language of communication and interaction. Paper 150.110 is more suitable for beginners.		
150.114	15 credits	S2 DL PN
He Tirohanga o Mua: Māori Custom, Lore and Economics		S2 I PN
An analysis of Māori knowledge, custom and economic foundations. Customary lifestyles will be examined within a context of ritual, philosophy, technology, economic principles, and social organisation in order to understand pre-contact Māori culture and the implications for modern times.		
150.201	15 credits	S1 DL PN
Te Kawenata o Waitangi: The Treaty of Waitangi in New Zealand Society		S1 I AL
A study of the Treaty of Waitangi background, texts, principles, and application to contemporary New Zealand. There is a particular focus on land, legislation, court decisions, social policies, the environment, constitutional matters, claims to the Waitangi Tribunal and Treaty settlements. Differing perspectives of hapu/iwi/Māori and the Crown, as well as opportunities for resolution, are explored.		
150.202	15 credits	S2 B1 AL
Hauora Tangata: Māori Health Foundations		S2 B1 PN
Cultural understandings of health form the basis for an exploration of cultural, biological, social, economic, environmental and political interactions and their impacts on Māori health. Implications for health workers and for Māori are examined within the context of Māori health perspectives, health services and Māori health gains.		
150.204	15 credits	S2 DL PN
Mana Māori: Māori and Politics		S2 I PN
The study of the nature of Māori politics and political self-determination in contemporary Aotearoa New Zealand. It will explore the avenues through which Māori have sought to realise their political aspirations, particularly in relation to national political institutions, and theoretical perspectives that can assist in the analysis and strategic development of Māori political self-determination.		
150.206	15 credits	S2 DL PN
Nga Momo Whakairo: Contemporary Māori Visual Art		
An interpretation of the design structures that constitute Māori art from a bicultural perspective together with an examination of the factors that determine stylistic change.		

		Sem	Mode	Loc
150.207	30 credits	S1	I	PN
Mata Oho: Studio IIA				
An examination of the significance of Māori visual culture with a view to understanding the interrelationships between form and function within 'traditional' and 'contemporary' contexts. Advanced development of media and processes within two-dimensional frameworks.				
150.208	45 credits	S2	I	PN
Mata Oho: Studio IIB				
An examination of the significance of Māori visual culture with a view to understanding the interrelationships between form and function within 'traditional' and 'contemporary' contexts. Advanced development of media and processes within three-dimensional frameworks.				
150.210	15 credits	S1	DL	PN
Te Reo Kororero: Māori Language IIA				
Nei ra te reo korero, te reo tuhituhi hei reo whakawhitiwhiti i roto i roto i te nohotahitanga a te tangata. Ka tirohia te takotoranga o te reo, nga kupu kei te hangai ki nga kaupapa maha, otira, ka tirohia nga kipeha penei i te kiwaha. This paper emphasises the use and understanding of spoken and written Māori as a language of communication in everyday social and cultural situations. It will focus on the structure of the language, vocabulary appropriate to various contexts, as well as figures of speech such as colloquialisms.				
150.211	15 credits	S2	DL	PN
Te Reo Whakanakoko: Embellishing the Language				
Ka akona te momo reo e ahu mai ana i te kawa o o tatou marae e hangai ana ki te tangihanga, ki te whakatauki, ki te pepeha, ki te korero purakau, ki te waiata tawhito. I roto i enei kaupapa korero katoa ka wanangahia te momo reo hei whakapakari i te reo korero, i te reo tuhituhi, i te reo whakamarama. Ko nga whakahaere katoa mo tenei pepa kei roto i te reo Māori. This paper explores the type of language associated with te kawa o te marae relevant to tangihanga, whakatauki, pepeha, korero purakau and waiata tawhito. The paper emphasises using and understanding spoken and written Māori as a language of teaching, communication and interaction.				
150.213	15 credits	S1	DL	PN
Tikanga-a-Iwi: Tribal Development				
A critique of the tribe as a foundation for traditional Māori society, including an examination of land tenure, kinship, descent, tribal economies and cultural cohesion. Hapu and iwi structures will be described as well as patterns of leadership.				
150.216	15 credits	S2	DL	PN
He Huarahi Rangahau: Māori and Research				
An introduction to Māori-focused research. Methodological, ethical and philosophical issues will be explored using a range of case studies taking into account Māori values, Māori community expectations, sources of information and the interface between matauranga Māori and scientific method.				
150.301	15 credits	S2	DL	PN
Te Mana Te Kawanatanga: Māori Policy and the State				
Recent policies, legislation and judicial outcomes that impact on Māori people are examined as well as interaction between Māori and the State in formulating policies for Māori. A framework for analysis derived from Māori perspectives serves as a basis for understanding policy development and is applied to specific policy areas including Māori land, broadcasting, fishing, employment, health, the environment and Treaty settlements.				
150.302	15 credits	S1	DL	PN
Planning for Māori Health				
Strategies for the advancement of Māori health will be reviewed with a particular focus on health promotion, mental health, the national health strategy, strategies for health funding and the delivery of health services, and the link between Māori health strategies and positive Māori development.				
150.303	15 credits	S2	DL	PN
Mana Wahine: Māori Women				
A theory and research based examination of issues that concern Māori women in all contexts, including the roles that Māori women assume both within a Māori social framework and beyond. Theories of mana wahine and the ways mana is maintained, enhanced or lessened will be examined.				
150.307	30 credits	S1	I	PN
Mata: Studio IIIA				
Advanced development of 150.207 in selected areas. An approved, individually conceived programme with content related to personal strengths and interests within two-dimensional frameworks.				
150.308	60 credits	S2	I	PN
Mata: Studio IIIB				
Advanced development of 150.208 in selected areas. An approved, individually conceived programme with content related to personal strengths and interests within three-dimensional frameworks.				

		Sem	Mode	Loc
150.311	15 credits	S1	DL	PN
Te Papa o te Reo: Māori Language III				
Tuatahi he ako i te momo reo e ahu mai ana i te motetea-a-korero, korero purakau, me nga korero mo tetahi o ou nei tipuna. I roto i enei kaupapa katoa ka wanangatia tenei momo reo hei whakapakari i te reo korero, to reo tuhituhi, to reo whakamarama. Ko nga whakahaere katoa mo tenei pepa kei roto i te reo Māori. This paper explores Māori poetry, tribal legends and writings about ancestors. It attempts to link a range of Māori philosophies, idioms and metaphors with Māori as a modern oral and written language. The paper emphasises using and understanding Māori for teaching, communication and interaction.				
150.407	60 credits	S1	I	PN
Matatau: Studio IVA				
Advanced conceptual development of 150.307 in selected areas. An approved individually conceived programme with content related to personal strengths and interests within two-dimensional frameworks.				
150.408	60 credits	S2	I	PN
Matatau: Studio IVB				
Advanced conceptual development of 150.308 in selected areas. An approved individually conceived programme with content related to personal strengths and interests within three-dimensional frameworks.				
150.701	30 credits	S1	DL	PN
Tino Rangatiratanga: Strategic Māori Development				
Strategies for Māori advancement are examined within a Māori development framework. Barriers to development and the facilitation of positive development are explored using criteria relevant to indigenous self-determination. There is a focus on land, fisheries, social policy, health, Treaty settlements and opportunities for positive development.				
150.702	30 credits	DS	DL	PN
Mauri Ora: Māori Mental Health				
An exploration of determinants of mental health for Māori, epidemiological trends and Māori cultural implications for community and clinical practice.				
150.707	90 credits	DS	DL	PN
Te Tataitanga Matatau: Advanced Studio Practice				
An individually designed programme of advanced studio practice in Māori or indigenous visual culture development, with content related to personal strengths and interests.				
150.710	30 credits	DS	DL	PN
Te Reo Whakawhitiwhiti: The Language of Everyday Communication				
A focus on the use of Māori language at home, in the workplace, in social situations, in sport and recreation. Students will be encouraged to express ideas and opinions in Māori with confidence and to incorporate new words into the vocabulary as indicated. The significance of local idiom will be an important part of the paper.				
150.711	30 credits	DS	DL	PN
Te Tau-Ihu o te Reo: Advanced Māori Literature				
Tuatahi he ako i te taumata momo reo, te kawa o tatau marae penei i te tangihanga, whakatauki, pepeha, korero purakau, waiata tawhito. Tuarua he kaupapa mai i te reanga poropiti Māori o era atu rau tau. Ka tataritia hoki nga korero mo tera poropiti a Te Kooti Arikirangi Te Turuki i ahu mai ai nga kaupapa maha e pa ana ki te mana motuhake. Tuatoru ka tataritia nga korero e pa ana ki tenei kaupapa hohonu, e taukapo ai ona kaupapa ko te poroporoaki tena. This paper explores language forms used in marae procedure, and language associated with tangihanga, whakatauki, pepeha, korero purakau, waiata tawhito. In addition the prophecies and aspirations of Te Kooti Arikirangi Te Turuki are explored. There is also an examination of the oral narrative and written literature associated with poroporoaki.				
150.713	30 credits	DS	DL	PN
Te Reo o te Ao Whanui: Māori as an Official Language				
The use of Māori language in specialised areas and in sectors such as health, education, justice and commerce will be explored. Students will be required to demonstrate high levels of written and oral competence in one or two specialist areas, to undertake translations of contemporary technical documents as well as the compilation of an extended glossary.				
150.714	30 credits	S1	DL	PN
Ta Te Māori Rangahau Korero: Māori Research Methodologies				
An examination of methodologies appropriate for research within Māori communities, iwi, hapu and whanau. Emphasis will be placed on accessing relevant information held in public repositories, on the internet and on computerised databases. The identification of frameworks for research in Māori contexts, ethical issues, and research design form important aspects of the paper.				
150.715	30 credits	DS	DL	PN
Taonga Tuku Iho: Heritage Aotearoa				
An examination of the dynamics of Māori culture and custom as part of the Aotearoa/New Zealand heritage. Particular emphasis is placed on the significance of land, language, oral tradition, the marae, art, and the Treaty of Waitangi, as well as an examination of the role of government in heritage through a study of				

legislation, policy and programmes. Case studies will focus on conservation, maintenance, sustainability and revitalisation.

150.720 **120 credits** DS DL PN
Rangahau Whakairo: Pre-thesis Practicum DS I PN

An individually supervised and approved study involving Māori or indigenous visual culture to realise an individually conceived body of work. The constitution of the pre-thesis studio will consist of a catalogue of works presented for exhibition together with a presentation of ideas both in situ and through a formal public presentation.

150.722 **30 credits** S1 B1 AL
Te Tu Whanau: Whanau and Society

An advanced study of the standing of whanau within society, the impacts of socio-economic determinants on whanau, whanau participation in education and the economy, and the ways in which whanau are able to engage with societal institutions, including institutions within te ao Māori.

150.723 **30 credits** S2 B1 AL
Nga Momo Whanau: Whanau Form and Function

An advanced study of the nature of whanau structures and their changing patterns, the human, resource, and functional capacities of whanau, and indicators of whanau wellbeing.

150.724 **30 credits** S2 B1 AL
Whakapiki Whanau: Whanau Intervention

An advanced study of the indications, relative merits, applications, and outcomes of interventions aimed at increasing whanau capacities.

150.725 **60 credits** * * *
Rangahau Whakairo: Pre-thesis Practicum (Part I)

150.726 **60 credits** * * *
Rangahau Whakairo: Pre-thesis Practicum (Part II)

150.799 **30 credits** DS DL PN
Research Report (30) S2 DL PN

150.800 **120 credits** DS DL PN
MPhil Thesis

A supervised and guided independent study resulting in a published work.

150.801 **60 credits** S1 I PN
MPhil Thesis 120 Credit Part 1 S2 I PN

A supervised and guided independent study resulting in a published work.

150.802 **60 credits** S1 I PN
MPhil Thesis 120 Credit Part 2 S2 I PN

A supervised and guided independent study resulting in a published work.

150.809 **90 credits** DS I PN
Te Wahapu Matatau (Matau): Advanced Studio Practice

An individually designed programme of advanced studio practice in Māori or indigenous visual culture development, with content related to personal strengths and interests.

150.816 **60 credits** DS DL PN
Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

150.817 **60 credits** DS DL PN
Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

150.821 **120 credits** DS DL PN
Nga Miro Whakaaturanga: Thesis Practicum DS I PN

An individually supervised and approved study involving research into Māori or indigenous visual culture to realise an individually conceived body of work that allows for the design and/or coordination of an exhibition, together with an exhibition report that resolves research and practice, or a database that contextualises the body of work within the student's personal oeuvre.

150.825 **60 credits** * * *
Nga Miro Whakaaturanga Thesis Practicum 120 Cr Pt1

A supervised and guided independent study resulting in a published work.

150.826 **60 credits** DS DL PN
Nga Miro Whakaaturanga Thesis Practicum 120 Cr Pt2

A supervised and guided independent study resulting in a published work.

150.873 **60 credits** S1 DL PN
Research Report Māori Studies (60) DS DL PN
S2 DL PN

150.881 **45 credits** S1 DL PN
Thesis 90 Credit Part 1 DS DL PN

A supervised and guided independent study resulting in a published work.

150.882 **45 credits** S2 DL PN

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published work.

150.883 **90 credits** * * *

Thesis

A supervised and guided independent study resulting in a published work.

150.899 **120 credits** DS DL PN

Thesis

A supervised and guided independent study resulting in a published work.

150.900 **120 credits** DS I PN

PhD Māori Studies

151

NUTRITIONAL SCIENCE

151.231 **15 credits** S1 I AL
Food Chemistry for Nutrition S1 I PN

Chemical composition and physical properties of food. Modification of nutrient content of foods due to formulation, processing and preparation. Food regulation and food safety.

151.232 **15 credits** S2 I AL
Nutrition and Metabolism S2 I PN

Physiological function and metabolic fate of carbohydrates, lipids and proteins and their involvement in meeting energy needs for maintenance, growth and performance. Nutritional and physiological functions of vitamins, minerals, water and electrolytes in humans. The pharmacological role of specific micronutrients. Physical and biochemical measurements of nutritional status of populations and individuals; including assessment of body composition and dietary intake.

151.243 **15 credits** S1 DL PN
Nutritional Biochemistry S1 I PN

Biochemistry of relevance to nutritional science: Structure and function of proteins, carbohydrates and lipids; enzymes and enzyme kinetics; metabolic pathways of protein, carbohydrate and lipid metabolism and their regulation; an introduction to genes and regulation of gene expression.

151.244 **15 credits** * * *
Principles of Nutrition

Introduction to key concepts in nutrition: Body composition, dietary intake methodologies, food composition, physiological functions and metabolic fates of macronutrients, nutritional and physiological functions of vitamins, minerals, water and electrolytes.

151.331 **15 credits** S1 I AL
Maternal and Child Nutrition S1 I PN

Nutrient functions, requirements and partitioning during pregnancy, lactation, infancy, childhood and adolescence: determination of nutritional requirements; assessment of normal growth and body composition; food and nutritional issues with reference to the NZ Food and Nutrition Guidelines.

151.332 **15 credits** S1 I AL
Nutrition for Sport and Performance S1 I PN

Nutritional aspects of exercise physiology and metabolism. Nutritional principles for enhancing performance in recreational and elite athletes Food and nutrition for specific sporting codes and specific groups (e.g. children, elite athletes, female athletes, the elderly). Assessment of nutritional status of athletes.

151.333 **15 credits** S2 I AL
Adult Nutrition and Positive Ageing S2 I PN

Review of current literature and research on nutrient needs and factors affecting nutritional status of adults and the elderly. The role of nutrition in causing and preventing degenerative diseases. The nutritional, physiological, metabolic and sociological determinants of obesity.

151.334 **15 credits** S2 I AL
Nutrition Communication and Promotion S2 I PN

The impact of food policy and regulation, marketing and nutrition promotion on behavioural aspects of food choice. Nutrition communication and health promotion measures to influence nutritional status will be covered, including use of behavioural models and models of food choice. Examples will be drawn from current settings-based health promotion initiatives in New Zealand, related to a range of different social and cultural groups. Food insecurity and the politics of food will also be included.

151.344 **15 credits** S1 DL PN
Principles of Nutrition S2 DL PN

Key concepts in nutrition: Body composition, dietary intake methodologies, food composition, physiological functions and metabolic fates of macronutrients, nutritional and physiological functions of vitamins, minerals, water and electrolytes.

Sem	Mode	Loc	Credits
151.345		S1 DL PN	15 credits
Nutrition throughout the Life Cycle			
Changing nutrient functions, requirements and partitioning during the lifecycle (from the foetus through infancy, childhood, adolescence and adulthood plus pregnancy, lactation and ageing); determination of nutritional requirements; assessment of normal growth and body composition; food and nutritional issues with reference to the NZ Food and Nutrition Guidelines. Examples of the role of nutrition in causing and preventing degenerative diseases, and obesity.			
151.346		S1 DL PN	15 credits
Topics in Nutrition			
Topics in nutrition in the areas of sports nutrition, contemporary nutrition issues and insights, food choice and the implications of the Treaty of Waitangi.			
151.704		S1 B1 AL	15 credits
Human Nutrition			
Nutrition through the life cycle: nutrition and reproduction, nutrition in pregnancy, infant nutrition, nutrition in childhood and adolescence, nutrition in the adult years, nutrition in the elderly.			
151.705		S1 B1 PN	15 credits
Ruminant Nutrition			
Digestion, absorption and utilisation of nutrients, principles of forage feeding value, genetic engineering and forage nutritive value.			
151.706		S1 B1 AL	15 credits
Monogastric Nutrition			
Comparative food intake, digestion, metabolism and growth in monogastric animals; nutritive values of feedstuffs; estimation of nutrient requirements; food processing techniques; nutrition of specific monogastric animals, e.g., avian, pig, fish, horse, cat, dog, or student's species of interest.			
151.707		S2 DL PN	15 credits
Food Technology/Nutrition Interface			
Processing of food; food preservation; food marketing; sensory science; food legislation and policy; nutrient substitutes; functional foods.			
151.708		S1 B1 AL	15 credits
Nutritional Research Methods			
Experimental design in nutrition; methods and approaches in human and animal nutrition research including assessment of food and nutrient intake, assessment of energy expenditure and assessment of body composition.			
151.709		S2 B1 AL	15 credits
Biometrics for the Animal and Nutritional Sciences			
Study in applied statistics with emphasis on animal and nutritional sciences. Introduction to and extensive use of the statistical package. Regression and multiple regressions analysis, analysis of variance of standard experimental designs, covariance analysis and general linear models.			
151.712		S1 DL PN	15 credits
Special Topic			
A selected course of study, which may include a project or lectures and assignments; details of content to be specified for each student.			
151.713		S1 DL PN	30 credits
Special Topic			
A selected course of study which may include a project, or lectures and assignments; details of content to be specified for each student. This paper may be used to carry out advanced study in nutrition in a particular area or species, e.g. monogastric, ruminant, poultry, fish, etc.			
151.714		* * *	30 credits
Advanced Human Nutrition			
Selected topics in advanced human nutrition.			
151.715		S2 B1 PN	15 credits
Advanced Sports Nutrition			
A selection of topics in advanced sports nutrition, with the opportunity to complete advanced literature research and/or practicum components. Application of principles of sports nutrition to specific sporting codes and exercise programmes. The main focus is on the evaluation and implementation of food and nutrition requirements of athletes in training, and during competition. An in-depth understanding of the scientific reasoning behind requirements will be developed.			
151.716		S1 B1 PN	15 credits
Advanced Nutrition and Disease			
A selection of topics regarding the interrelationships between nutrition and disease at an advanced level.			

Sem	Mode	Loc	Credits
151.717		S2 B1 AL	15 credits
Selected Topics in Public Health Nutrition			
Public health nutrition is the promotion of good health through the prevention of nutrition-related illness in the population. This paper will examine a selection of nutrition-related public health problems and describe how research-based evidence is used to develop effective promotion strategies.			
151.718		S1 B1 PN	15 credits
Advanced Topics in Macronutrient Nutrition			
An advanced study of food composition, digestive and metabolic processes, and interactions of macronutrients.			
151.719		S2 B2 PN	15 credits
Advanced Topics in Micronutrient Nutrition			
An advanced study of the roles of vitamins, minerals, and trace elements in metabolic processes and their roles in human metabolism plus altered metabolic processes caused by specific micronutrient deficiency.			
151.721		* * *	15 credits
Selected Topics in Nutrition and Disease			
Overview of interrelationships between nutrition and disease, including coverage of insulin resistance syndrome, obesity, cardiovascular disease and hypertension, diabetes mellitus, malignant diseases, nutrition and infection and food intolerance and allergy.			
151.741		DS I AL	15 credits
Research Methods and Statistics for Dietetics			
Quantitative and qualitative research design, methods, approaches including statistical analysis in human nutrition and dietetics as applicable in a variety of groups and settings. Topics will include epidemiological and ethnographic approaches, assessment of food, nutrient and energy intakes, energy expenditure, body composition, biomarkers, eating habits, food behaviour, and dietary practices.			
151.742		DS I AL	15 credits
Nutrients for Health and Disease			
This paper focuses on the relationship between nutrients and health and/or disease. Students will develop an understanding of the relationships between intakes of individual nutrients and health status and how to express nutrient requirements as food or dietary recommendations or changes in food / eating habits. Students will also investigate the development of recommendations for nutrients based on research evidence.			
151.743		S1 I AL	15 credits
Foodservice Management			
An introduction to the principles of food service management with a focus on the development of small and large scale cooking skills, menu planning and recipe manipulation for the purpose of achieving dietary modifications. Other managerial aspects will also be explored, including various food service systems, organisational design, leadership, motivation, negotiation, resource management, and decision making skills.			
151.744		DS I AL	15 credits
Clinical Dietetics I			
This paper focuses on nutritional interventions that may improve the nutritional status of individuals and groups within clinical, community or public health settings addressing nutrition-related needs or disorders. It will provide theoretical knowledge forming the foundation for safe and effective practice within the domains of clinical nutrition and dietetics, investigating all aspects of nutrition-related diseases – from aetiology to therapy			
151.745		SS I AL	15 credits
Clinical Dietetics 2			
Building on the content of Clinical Dietetics 1, this paper focuses on nutritional interventions that may improve the nutritional status of individuals and groups within clinical, community or public health settings addressing nutrition-related needs or disorders. It will provide theoretical knowledge forming the foundation for safe and effective practice within the domains of clinical nutrition and dietetics, investigating all aspects of nutrition-related diseases – from aetiology to therapy.			
151.746		SS I AL	15 credits
Communications in Dietetic Practice			
This paper introduces the theory and practice of communication approaches and strategies in the professional work environment, emphasising successful communication in a range of contexts including individual counselling, small group education, community consultation, within a management or media perspective, and presentation to any audience. Communication management and learning theory and skills will be examined and applied through practical examples and assessment tasks.			
151.750		DS I AL	45 credits
Professional Dietetic Practice			
This paper comprises the total extent of professional dietetic practice to acquire practical training and experience within the three domains of dietetic practice as specified by the professional accrediting body. Experienced practitioners will supervise students in a variety of settings including hospitals, community health centres, industry and public health services where their skills and competencies will be developed in a range of areas.			

		Sem	Mode	Loc
151.799	30 credits	DS	I	AL
Research Report		DS	I	PN
151.870	60 credits	*	*	*
Research Report				
151.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
151.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
151.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
151.891	45 credits	DS	I	AL
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
151.892	45 credits	DS	I	AL
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
151.895	90 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
151.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.				
151.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.				
151.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
151.901	120 credits	DS	I	AL
PhD Nutritional Science		DS	I	PN

152

MANAGEMENT

152.161	15 credits	*	*	*
Foundations of International Sport Management				
An introduction to global sport management principles and perspectives.				
152.200	15 credits	S1	DL	PN
Contemporary Management		S1	DL	SP
A critical study of selected trends and recent developments in management theory, research and practice.				
152.203	15 credits	S2	DL	PN
Business and Society		S2	DL	SP
This paper studies the interplay of business and society in the context of business development in New Zealand and contemporary business practice.				
152.230	15 credits	S1	DL	SP
Entrepreneurship		S1	DL	WL
An introduction to entrepreneurship and its application to new ventures as well as to existing small businesses.				
152.232	15 credits	S1	I	AL
Small Business Management		S2	DL	SP
This paper develops competencies relevant to operating small and medium sized enterprises. The focus is on critical skills, ethical awareness and the concepts needed by today's small business owners, and introduces specialist topics in enterprise development.				
152.252	15 credits	S1	DL	PN
Project Management		S1	DL	SP
An introduction to the theory and methods employed in project management.				

		Sem	Mode	Loc
152.261	15 credits	S2	DL	PN
International Business		S2	DL	SP
A study of business and management from an international perspective. An introduction to the conduct of business in the global environment utilising different forms of enterprise including e-business, direct trade relations, and foreign direct investment in the context of rapid economic change. These are examined in the context of regionalism and globalism.				
152.262	15 credits	*	*	*
Contemporary Issues in International Business				
This paper examines contemporary international events and their potential ramifications for International Business.				
152.263	15 credits	S2	DL	AL
Applied International Trade Management		S2	I	AL
An introduction to the applied aspects of conducting and managing business in international markets.				
152.269	15 credits	*	*	*
Principles of E-Business				
An introduction to e-business from a managerial perspective in a global economy.				
152.270	15 credits	*	*	*
Māori Management				
Māori Management is designed for people who have a responsibility for undertaking management activities related to Māori business development and commercial activities. It examines the history and structure of Māori organisations, contemporary management structures and the impact of associated government policies and legislation.				
152.304	15 credits	S2	DL	PN
Managing Services		S2	DL	SP
This paper examines theories and issues relating to the place of services in the economy. Topics include customer service, quality improvement, technological innovation and managing capacity and demand. An integrative management perspective and practical management techniques are features of the paper.				
152.307	15 credits	*	*	*
E-Business Strategy and Models				
A study of the underlying models of e-business and the relationships with suppliers, customers and employees. An examination of the strategies for value chain, supply chain and enterprise planning in various industry sectors will be conducted.				
152.308	15 credits	*	*	*
Profit Centre Management				
152.330	15 credits	S1	DL	WL
Enterprise Development		S1	I	WL
An examination of issues relating to entrepreneurship and management in the start-up, survival and development of enterprises. Emphasis is placed on the use of the case study approach from the perspective of the manager or consultant.				
152.333	15 credits	S2	DL	WL
New Venture Project		S2	I	AL
This paper studies the process of initiating and managing a new venture. The paper includes opportunity identification and assessment processes for new ventures; comprehensive business planning including data collection and analysis; strategy formulation and results forecasting; integration of concepts and techniques relevant to new ventures. Integrated plans for launching new products and services by existing businesses are also considered.				
152.334	15 credits	S1	I	AL
Innovation, Creativity and Entrepreneurship		S2	B1	PN
A study of the management of innovation and creativity in the context of organisational entrepreneurship. Aspects of the learning environment which may support creative and innovative processes will be examined.				
152.336	15 credits	S2	DL	PN
Leadership		S2	I	AL
A critical analysis of the theory and practice of leadership relevant to public and private organisations and the development of leadership as it applies to individuals in a variety of socio-cultural contexts. The dimensions of followership and citizenship, and their role in complex leadership processes and relationships, along with the challenges of leading ethically are also investigated in this course.				
152.350	15 credits	S1	DL	PN
Strategic Management & Governance		S1	I	AL
An examination of strategic management concepts, the tools and techniques of strategic analysis, and, issues associated with governance including business ethics.				

Sem	Mode	Loc	Credits
S2	DL	PN	15
152.360 Change Management			
A study of organisational and management issues in adapting organisations to meet changed circumstances and requirements.			
S1	DL	AL	15
152.366 Operational Management of International Business			
Managing the operational effectiveness of the enterprise conducting business in international markets including international supply chain, quality, and distribution management.			
*	*	*	15
152.370 Te Whanaketanga o te Pahi Māori - Advanced Māori Business Development and Management			
An examination of the interface between customary and contemporary management practices focusing on the management of Māori resources and the development of Māori enterprise.			
*	*	*	30
152.373 National Sport Organisation Coaching Practicum			
This paper is designed to provide experience in the coaching field according to specific code requirements. Note: It is a restricted paper run by Massey University and the New Zealand national sport organisations. Only students nominated by their national sport organisation are eligible to enrol in this paper.			
*	*	*	15
152.381 Action Learning Management Practicum			
Students will develop leadership, task management and team-building skills within an experiential learning framework. The paper integrates outdoor 'adventure' activities with selected aspects of contemporary management theory. Students play an integral part in the design and execution of the paper. The paper integrates the assessment of risk and the management of safety and ecological care with programme activities.			
*	*	*	15
152.386 Risk Management I			
An overview of the principles and practice associated with risk identification, analysis and assessment.			
*	*	*	15
152.387 Risk Management II			
A detailed examination and critique of risk control methods.			
SS	DL	PN	15
152.392 Environmental Management for Business			
This paper provides the foundation for environmental management of businesses. The first half of the course discusses the concept of ecology and the major environmental issues of the 21st century including global warming, ozone depletion, acid rain, population growth, air and water pollution and environmental impact of development. The second half of the paper deals with business and government responses to the issues raised and how companies can be proactive in managing this growing and complex area as discussed in the first half of the paper.			
S1	DL	PN	30
152.700 Organisation and Management			
A study of the theories of management and their application within organisations.			
*	*	*	30
152.701 Advanced Management			
A study of selected dimensions of advanced management practice. Areas to be covered include organisational analysis and associated approaches to management and organisational performance.			
S1	I	AL	30
152.702 Advanced Strategic Management			
An advanced study of the systems and techniques of strategic planning, policy formulation and implementation.			
S1	DL	PN	30
152.704 Business and Sustainability			
An examination of the global debate on environmental issues, the literature on sustainability and the implications of sustainability for business policy and management.			
*	*	*	30
152.705 Advanced Change Management			
An advanced study of models, management processes and research on implementing, monitoring and evaluating organisational changes.			
S1	I	AL	30
152.707 Leading and Changing Organisations			
A study of the practices, methods and frameworks for leading and changing organisations.			

Sem	Mode	Loc	Credits
*	*	*	30
152.709 Leadership			
A critical study of leadership theory and practice, with an emphasis upon contemporary perspectives. This paper provides the opportunity for critical reflection and analysis of leadership and is relevant to understandings of leadership in any organisation.			
*	*	*	30
152.719 Advanced Management of Fitness/Athletic Conditioning			
An examination of exercise prescription, sports conditioning and nutrition for enhancing athletic performance. The scientific basis of fitness training and physiological mechanisms are applied to athletic conditioning.			
*	*	*	30
152.724 Advanced Services Management			
Focusing on the theory and principles of services management, this paper critically reviews current services management research and analyses the issues for managers in adopting a service logic for their organisations.			
S2	DL	PN	30
152.731 Innovation and New Ventures			
A study of the theory and practice of entrepreneurship with special reference to the small business sector. The paper will examine the dimensions of entrepreneurship with emphasis on the entrepreneur's contribution to existing organisations and new ventures.			
*	*	*	30
152.732 Issues in Entrepreneurship			
An advanced study of entrepreneurship including the analysis of trends and issues relating to the entrepreneurial process. A range of topics are offered to allow some customisation of the paper to the particular educational and research interests of students.			
*	*	*	30
152.740 Public Sector Management			
An examination of the processes, theories and practices of management in the public sector including the environment in which such organisations operate. The paper includes a comparison of the New Zealand public service and relevant aspects of systems of government with those of selected countries. Change and reform in the public sector is also included.			
S1	DL	PN	30
152.742 Health Systems Management			
The health care systems of New Zealand and selected nations are compared and critically analysed from a management perspective.			
HEALTH			
S1	DL	PN	30
152.743 Health Policy			
The dimensions of policy formation in health are examined with particular emphasis on the relationship between policy and the political process.			
MANAGEMENT			
S2	DL	PN	30
152.746 Contemporary Issues in Health Service Management			
Issues relevant to the efficient and effective delivery of health services are identified and examined.			
S1	DL	PN	30
152.752 Project Management			
A comprehensive study of the theory and methods employed in project management.			
*	*	*	30
152.753 Strategic Governance			
Addressing issues relevant to the public, private and not-for-profit sectors, this paper provides a critical evaluation of current and emerging governance architectures in relation to differing expectations as regards stakeholders value. It considers the strategic contribution of the board in the context of risk management, enterprise encouragement, the distinction between governance and management in the light of the new technologies, the value of human, physical and intellectual capital, and globalisation.			
*	*	*	30
152.754 Current Issues and Practices in Corporate and Institutional Governance			
A study of current issues and practices in corporate and institutional governance including boards of governance best practice and the make-up, conduct and dynamics of governing bodies in the private, public and voluntary sectors. Particular emphasis will be placed upon the effective functioning of governance.			
*	*	*	30
152.755 Project in Corporate and Institutional Governance			
A project involving investigation in areas of particular interest to individuals, examining aspects of governance.			

152.757	30 credits	* * *			
Critical Management Studies					
This paper questions contemporary views of management and organisations. It is grounded in critical, postmodern approaches to management studies that provide support for challenges to the grand narratives that dominate established theories.					
152.761	30 credits	S1 DL AL			
Advanced International Business					
A comparative study of International Business theory and practice.					
152.762	30 credits	* * *			
The International Business Environment					
An advanced study of contemporary issues relating to the international business environment. Issues to be examined include the development of free trade association; the business opportunities and threats posed by economic development; changing security issues; the emergence of Japanese and European economic spheres of influence; and the gradual reorientation of the Australian and New Zealand economies.					
152.764	30 credits	S2 DL AL			
Topics in International Business					
A series of projects involving investigation in areas of particular interest to individuals, examining aspects of business and management relevant to the international environment. Students will gain experience in defining and executing research projects within a specialised field.					
152.766	30 credits	S2 B1 AL			
International Entrepreneurship					
A series of research projects relating to entrepreneurship in international business. Projects focus on new business opportunities emerging from the current period of rapid global change, including e-commerce and other emerging forms of enterprise configuration.					
152.768	30 credits	* * *			
Managing Knowledge					
An advanced exploration of the challenges of managing knowledge and knowledge work, for the purpose of producing more effective managers and team members in knowledge-intensive work environments. The role of computerized 'knowledge management' systems, and the relationship between people and technology which constitute special challenges to managing in such environments will be considered.					
152.771	15 credits	S2 B1 AL			
Management in Organisations					
The application of modern management in business organisations.					
152.778	30 credits	* * *			
Research Report Part 1					
152.779	30 credits	* * *			
Research Report Part 2					
152.781	30 credits	S1 DL AL			
Advanced Research Methods in Business					
Research approaches to management and organisation theory. Includes reading and designing research in these areas up to the preparation of research proposals.					
152.784	30 credits	* * *			
Research Report					
152.785	30 credits	DS DL PN			
Research Report					
152.786	60 credits	* * *			
Research Report					
152.787	90 credits	* * *			
Thesis					
152.800	120 credits	DS DL PN			
Thesis					
A supervised and guided independent study resulting in a published work.					
152.801	90 credits	DS DL PN			
Thesis					
An original piece of work that focuses on a significant issue in the Management discipline. Candidates will demonstrate an ability to formulate research questions and clearly answer them through the effective design of an investigation and the presentation of the research findings in a manner that is acceptable in the academic community.					
152.802	45 credits	DS DL PN			
Thesis 90 Credit Part 1					
An original piece of work that focuses on a significant issue in the Management discipline. Candidates will demonstrate an ability to formulate research questions and clearly answer them through the effective design of an investigation and the presentation of the research findings in a manner that is acceptable in the academic community.					

152.803	45 credits	* * *			
Thesis 90 Credit Part 2					
An original piece of work that focuses on a significant issue in the Management discipline. Candidates will demonstrate an ability to formulate research questions and clearly answer them through the effective design of an investigation and the presentation of the research findings in a manner that is acceptable in the academic community.					
152.804	60 credits	S1 I PN			
Thesis 120 Credit Part 1					
A supervised and guided independent study resulting in a published work.					
152.805	60 credits	S1 I PN			
Thesis 120 Credit Part 2					
A supervised and guided independent study resulting in a published work.					
152.894	60 credits	S1 B1 PN			
Professional Practice					
Candidates will undertake a professional action investigation within the subject area in which the Master of Management is being completed. Investigations may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations.					
152.896	60 credits	S1 I AL			
Research Report					
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.					
152.900	120 credits	DS I AL			
PhD Management					
DS I PN					

153

DISPUTE RESOLUTION

153.200	15 credits	S1 B1 AL			
Introduction to Dispute Resolution					
An introduction to the modes of dispute resolution including negotiation, mediation and arbitration and the relevant law.					
153.202	15 credits	S2 DL PN			
Law and Mediation					
The legal framework for mediation and an introduction to the law of contract and tort.					
153.204	15 credits	S1 DL PN			
Negotiation Principles					
Negotiation principles as applied to avoiding and resolving disputes.					
153.210	15 credits	S2 B1 PN			
Dispute Resolution Practicum					
A residential practicum covering negotiation, mediation and arbitration and other dispute resolution techniques.					
153.302	15 credits	S1 DL PN			
Mediation Process					
An examination of the nature of disputes, negotiation, mediation, and other non-adjudicative dispute resolution processes.					
153.306	15 credits	S2 B1 PN			
Negotiation Practice					
Application of the theory of the negotiation process.					
153.310	15 credits	* * *			
Arbitration Practicum					
A practical residential paper on practice, procedure and award writing.					
153.311	15 credits	S2 B1 PN			
Mediation Practicum					
A practical residential paper on the practice and procedure of non-adjudicative dispute resolution including settlement agreements.					
153.314	15 credits	S1 DL PN			
Dispute Resolution Advocacy					
A study of advocacy practice and the application of the Evidence Act 2006 in the management of dispute resolution processes.					
153.315	15 credits	* * *			
Adjudicative Processes					
A study of the Arbitration Act 1996, and the Construction Contracts Act 2002					

		Sem	Mode	Loc
153.320	15 credits	S2	DL	PN
Employment Dispute Resolution				
The theory and practice of solving employment disputes.				
153.700	30 credits	*	*	*
Elements of Dispute Resolution				
The law and practice of mediation and arbitration.				
153.701	30 credits	*	*	*
Advanced Arbitration				
The law and practice of New Zealand and international arbitrations using the Model Law and other institutional procedures.				
153.702	30 credits	*	*	*
International Law for Dispute Resolution				
A study of treaties affecting international trade and the application of legal regimes affecting dispute resolution.				
153.703	30 credits	*	*	*
Advanced negotiation				
An exploration of the fundamental dynamics of the process of negotiation leading to dispute resolution agreements.				
153.704	30 credits	*	*	*
Advanced Mediation				
An examination at an advanced level of key principles and processes of mediation.				
153.705	30 credits	*	*	*
Dispute Resolution Management				
An introduction to the management of dispute resolution including case and practice management.				
153.706	30 credits	*	*	*
Reasoning and Decision Making				
An examination of key principles and techniques of reasoning and decision-making especially as relative to Dispute Resolution.				
153.707	30 credits	*	*	*
Theory of Conflict				
The theory of conflict and its application to dispute resolution.				
153.708	30 credits	*	*	*
Advanced Employment Dispute Resolution				
The theory and practice of solving employment disputes.				
153.800	120 credits	*	*	*
Thesis				
A research paper requiring the student to conduct independent research with academic supervision within the area of dispute resolution.				
153.897	60 credits	*	*	*
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
153.898	60 credits	*	*	*
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

154

MEDIA STUDIES

154.101	15 credits	S1	DL	PN
Introduction to Media Studies		S1	I	AL
An introduction to theories of the media and communications. Particular attention will be paid to the concepts of representation and audience, the political economy of media products, and the social and cultural context in which they occur.				
154.108	15 credits	*	*	*
Reading the Media				
A theoretical and practical introduction to the critical analysis of media texts and modes, including print, film and television. A variety of critical approaches and terminologies will be explored.				
154.115	15 credits	S2	DL	PN
Stardom and Celebrity in the Media		S2	I	PN
This paper examines the construction and circulation of stardom and celebrity in media culture.				
154.120	15 credits	S2	I	AL
Transmedia Narrative and Storytelling		S2	I	WL
An introduction to different approaches to the elements, structures and techniques of storytelling, with reference to a range of historical genres and media contexts, and consideration of different forms, including non-linear and transmedia narratives.				

		Sem	Mode	Loc
154.201	15 credits	S1	I	WL
Television Studies		S2	DL	PN
An examination of the nature, role and meaning of television within contemporary culture. Particular attention will be given to the changing roles of television with respect to institutions of broadcasting, modes of representation and technological innovation. This will be explored through detailed analysis of various television genres such as news, drama, documentary and comedy.				
154.202	15 credits	S1	I	AL
Advertising and Consumer Society		S1	I	WL
A study of the meaning and significance of advertising within contemporary society with particular emphasis on the ideological role of advertising and the visual techniques employed in the production of meaning in advertisements. Critical theories will be used to explore the role of advertising in consumer culture, identity politics and processes of globalisation.				
154.203	15 credits	S1	DL	PN
Popular Culture and the Media		S1	I	PN
A survey of cultural theories and debates in relation to modern mass media. A number of issues such as identity, representation and cultural politics will be considered in their historical contexts and in relation to a variety of texts from popular culture and the media.				
154.204	15 credits	S1	I	AL
Digital Media Production I		S1	I	PN
An in-depth explication of various digital media production skills with an emphasis upon hands-on experience and the development of individual abilities associated with the various media.				
154.205	15 credits	S2	DL	WL
Popular Music Studies		S2	I	WL
An examination of the nature, role and meaning of popular music within contemporary Western societies. Particular attention will be paid to the political economy of the international music industry, genre and auteur studies, and audiences and subcultures.				
154.206	15 credits	S2	I	AL
Topics in Film History				
A selective study of the history of film including a consideration of the ways in which social contexts, industrial conditions, technologies and individuals have influenced film narratives and film theory.				
154.212	15 credits	S2	I	AL
New Zealand Cinema				
The paper explores the development of New Zealand cinema from the 1920s to the present day, with a focus on questions of aesthetics and concepts of national identity.				
154.215	15 credits	*	*	*
Cult Media and Fandom				
This paper will map key theoretical approaches to the study of cult media. The phenomenon of cult media will be examined through its textual strategies and aesthetics, as well as modes and patterns of production, distribution, exhibition and consumption.				
154.222	15 credits	S1	DL	PN
The Art of the Film				
An introduction to film aesthetics, examining the meanings and effects produced through the use of form and style. Students will analyse films from popular cinema, art cinema, documentary, animation and the avant-garde.				
154.224	15 credits	S2	I	WL
Documentary (Non-Fiction) Film				
A study of the genre of documentary (non-fiction) film. The paper will provide students with a critical awareness of the theory, history and various forms relevant to the genre. Students will plan and produce short documentary films. NOTE: Students require access to their own video camera and editing facilities.				
154.228	15 credits	*	*	*
Media History				
How the human quest for meaning and value shapes and is in turn re-shaped by changes in media technologies. Students examine media from cave paintings to cyberspace, and study transitions from orality to literacy and from print to electronic media.				
154.301	15 credits	*	*	*
Cultural Studies and the Media				
A consideration of theoretical and critical approaches to the study of culture and media in contemporary society. Attention will be given to the question of cultural identity and to how this relates to changing attitudes to nationhood and to the impact of consumerism. Frameworks for approaching this question include semiotics, Marxism, psychoanalysis, postmodernism, postcolonialism and globalisation.				

		Sem	Mode	Loc
154.302	15 credits	S1	DL	PN
Gender and Race in the Media		S1	I	WL
Issues in the representation of gender, race and ethnicity in the media, considered from a variety of critical and theoretical approaches.				
154.303	15 credits	S1	I	AL
Hollywood Cinema		S2	DL	PN
A detailed examination of Hollywood cinema and its alternatives, with particular reference to the concepts of narrative, genre and auteur.				
154.304	15 credits	S2	I	AL
Digital Media Production II		S2	I	PN
The further development of skills and abilities in a chosen media area with particular emphasis upon the production of a major media project.				
154.305	15 credits	*	*	*
A Social History of Popular Music				
The social history of popular music from the emergence of rock 'n' roll in the 1950s to the proliferation of musical genres in the 1990s. Particular reference will be paid to the intersection of popular music and cultural politics in North America, the United Kingdom and Australia.				
154.308	15 credits	S2	I	AL
Screen Fictions				
An exploration of different techniques used by filmmakers to tell stories in ways which arouse spectators' interest, encourage reflection, create suspense or generate excitement. These cinematic techniques are compared with literary style and other forms of storytelling and narrative. The main focus is on film adaptations of literary works.				
154.309	15 credits	*	*	*
Communications and Culture				
An investigation of the cultural implications of global communications technologies, including critiques of 'development' and the exploration of alternatives based on dialogue and cultural diversity.				
154.311	15 credits	S1	I	AL
Social Media and Digital Cultures		S1	I	PN
An examination of the social, economic and political transformations that digital media technologies have created. Particular attention will be paid to the development of social media, digital cultures, net-worked relationships and mobile identities alongside the links between media technologies and cultural practices.				
154.312	15 credits	S1	DL	PN
Trauma and the Media		S1	I	PN
A study of the representation of traumatic experience, including violence, abuse, war, genocide and terror in photography, film, television and the internet. The paper also considers how psychological theories of trauma have influenced critical approaches to the media.				
154.313	15 credits	*	*	*
Global Media Cultures				
New media technologies and global patterns of media distribution have produced complex, emergent practices of transnational community formation, text-sharing and collaborative media production. This paper examines these practices in relation to the maintenance and negotiation of cultural identity in the contemporary world.				
154.314	15 credits	S1	I	WL
Independent Media in the Information Age				
This paper critically evaluates the rise of independent media in the context of the information age, where 'communication' is increasingly central to the exercise of social and political power. The paper sets a theoretical context for understanding contemporary 'mainstream' and 'independent' media, then explores a range of independent media forms and practices that seek to generate alternative points of view.				
154.701	30 credits	*	*	*
Modern and Postmodern Visual Cultures				
An introduction to the key critical debates and cultural practices that have defined the response to modern mass media and their major ideological formations. Particular emphasis is placed on avant-garde notions of montage and their continuing influence on postmodern media theory and practice.				
154.702	30 credits	S2	DL	PN
Advanced Film Studies				
This paper engages students with a variety of critical and theoretical approaches to cinema, mapping their development across history and examining their usefulness in understanding the social, cultural, economic, political and aesthetic significance of film.				
154.704	30 credits	S1	DL	PN
Media Research Methods				
An introduction to theoretical frameworks and research designs and methods in Media Studies and to various issues that arise in the conduct of research. Students preparing to undertake research-based theses or projects will receive assistance in the preparation of their proposals.				

		Sem	Mode	Loc
154.707	30 credits	*	*	*
The World of Noir				
A study of the historical phenomenon of film noir, along with the related genre of the noir novel. The emphasis will be on classical film noir but more recent texts will also be examined. A variety of critical and theoretical approaches will be used.				
154.708	30 credits	*	*	*
Modern Fiction, Popular Culture and the Media				
An examination of major developments in approaches to fiction in the twentieth century, focusing on modern and postmodern trends, and on how these have impacted on the rise and alleged decline of distinctions between elite art and popular culture. Texts for analysis are selected from both literature and film and include examples of canonical as well as popular fiction.				
154.709	30 credits	S1	DL	PN
Technology and Cultural Change				
This paper examines the role of technology in producing and transforming contemporary culture. Through the investigation of key theorists, particular attention is given to the pivotal role technology plays in shaping space, time, and experience.				
154.719	30 credits	*	*	*
Media, Entertainment, and Ethics				
This paper will employ theories and concepts from applied ethics and strands of contemporary ethical criticism to examine existing and emergent issues within entertainment media, advertising and digital media.				
154.747	30 credits	S2	DL	AL
Media Practice and Global Culture				
This paper examines the critical context of contemporary media practice, exploring how media texts, technologies, and institutions respond to and produce processes of globalisation. Students will focus on the use of digital and mobile media technologies, and consciously negotiate decisions regarding the cultural, social, political, economic, ethical and environmental implications of their own media production, distribution and consumption.				
154.797	60 credits	*	*	*
Research Report (60)				
154.798	30 credits	DS	DL	PN
Research Report (30)		DS	I	AL
		DS	I	PN
		DS	I	WL
154.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
154.801	60 credits	*	*	*
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
154.802	60 credits	*	*	*
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
154.816	60 credits	S1	DL	PN
Thesis 120 Credit Part 1		S1	I	AL
A supervised and guided independent study resulting in a published work.				
		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
154.817	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		S1	I	AL
A supervised and guided independent study resulting in a published work.				
		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		S2	I	WL
154.850	120 credits	DS	DL	PN
Thesis		DS	I	AL
The supervised undertaking of an original piece of research into Media Studies.				
		DS	I	PN
		DS	I	WL

154.851	60 credits	DS DL PN
Thesis 120 Credit Part 1		DS I AL
The supervised undertaking of an original piece of research into Media Studies.		
		DS I PN
		DS I WL
		S2 DL PN
		S2 I AL
		S2 I PN
		S2 I WL
154.852	60 credits	S1 DL PN
Thesis 120 Credit Part 2		S1 I AL
The supervised undertaking of an original piece of research into Media Studies.		
		S1 I PN
		S1 I WL
		DS DL PN
		DS I AL
		DS I PN
		DS I WL
154.873	60 credits	S1 DL PN
Research Report Media Studies (60)		S1 I AL
		S1 I PN
		S1 I WL
		DS DL PN
		DS I AL
		DS I PN
		DS I WL
		S2 DL PN
		S2 I AL
		S2 I PN
		S2 I WL
154.881	45 credits	S1 DL PN
Thesis 90 Credit Part 1		S1 I AL
A supervised and guided independent study resulting in a published work.		
		S1 I PN
		S1 I WL
		DS DL PN
		DS I AL
		DS I PN
		DS I WL
		S2 DL PN
		S2 I AL
		S2 I PN
		S2 I WL
154.882	45 credits	S2 DL PN
Thesis 90 Credit Part 2		S2 I AL
A supervised and guided independent study resulting in a published work.		
		S2 I PN
		S2 I WL
154.883	90 credits	S1 DL PN
Thesis		S1 I AL
A supervised and guided independent study resulting in a published work.		
		S1 I PN
		S1 I WL
		DS DL PN
		DS I AL
		DS I PN
		DS I WL
		S2 DL PN
		S2 I AL
		S2 I PN
		S2 I WL
154.899	120 credits	* * *
Thesis		
A supervised and guided independent study resulting in a published work.		
154.900	120 credits	DS I AL
PhD Media Studies		DS I PN
		DS I WL

155

BUSINESS LAW

155.110	15 credits	S2 DL AL
Retail Law		S2 I AL
An introduction to the legal and ethical principles which apply to the New Zealand retail industry, with particular focus on the legal liability of business owners and operators to consumers, employees and other stakeholders.		

155.201	15 credits	S2 DL AL
Law of Property		S2 I AL
The law relating to the transfer and ownership of and other dealings in real property.		
155.202	15 credits	S2 DL PN
Essentials of Law		
Introduction to the New Zealand legal system, legal interpretation and substantive law.		
155.203	15 credits	S2 DL PN
Law of Business Organisations		S2 I AL
General principles of law relating to companies and partnerships.		
		S2 I PN
155.210	15 credits	S1 DL PN
Commercial Law		S1 I AL
Legal obligations and responsibilities that may arise when conducting business activities.		
		S1 I PN
155.215	15 credits	* * *
Criminal Law		
The principles of and justification for criminal law; the ingredients of criminal offences and their classification; corporate and vicarious liability; defences to criminal charges; the burden and standard of proof; an outline of criminal procedure.		
155.216	15 credits	* * *
Land Law for Real Estate Agents		
The law relating to land and dealings in land as it affects the real estate profession.		
MANAGEMENT		
155.301	15 credits	S1 DL WL
Employment Law		
This paper studies the law relating to employer and employee. Aspects studied include the employment contract, the law relating to the determination of employment disputes, the legality of industrial action, anti-discrimination legislation in the employment context and the law of dismissal.		
155.306	15 credits	* * *
Health Care Law		
This paper studies the law relating to the provision and management of health care. Aspects studied include the duties of health care professionals and managers, consent and patients' rights, confidentiality and the impact of accident compensation legislation.		
BUSINESS LAW		
155.313	15 credits	* * *
Commercial Transactions Contrary to Conscience		
An examination of the extent to which Courts will interfere in commercial transactions on the grounds that they are perceived to be contrary to 'conscience'. The focus is on the equitable notions of trust, fiduciary duties, undue influence and unconscionability and upon the doctrine of restitution for unjust enrichment.		
155.315	15 credits	S2 DL PN
Sport Law		
A study of the legal issues associated with sport, including the relevance and application to sport of intellectual property, contract, criminal liability, negligence, volunteers, drug testing, occupational safety and health, and accident compensation.		
155.392	15 credits	* * *
Special Topic in Business Law		
155.700	30 credits	S1 DL PN
Fundamentals of Law		SS DL PN
This paper provides a grounding in the New Zealand legal system and selected aspects of the relationship between law and business by examining contract and negligence law and other contemporary legal issues. It will also introduce students to legal research and writing.		
155.702	30 credits	S1 DL PN
Special Topic Business Law		DS DL PN
		S2 DL PN
		SS DL PN
155.704	30 credits	* * *
Corporate Governance		
A study of the principles of corporate governance including the legal and ethical responsibilities of corporate managers.		
155.705	30 credits	S1 DL PN
Special Topic Business Law		DS DL PN
		S2 DL PN
		SS DL PN

		Sem	Mode	Loc
155.706	30 credits	*	*	*
Advanced Healthcare Law				
An advanced paper in the healthcare law.				
HUMAN RESOURCE MANAGEMENT				
155.751	15 credits	*	*	*
Advanced Employment Law				
An advanced paper in the law relating to employer and employee.				
BUSINESS LAW				
155.771	15 credits	S2	B1	AL
Law of Business		S2	DL	PN
The legal system and the law of business organisations and its relevance to the accounting and finance profession.				
155.795	60 credits	*	*	*
Research Report				
155.798	30 credits	SS	DL	PN
Research Report				
Students are required to write a report based on independent research. The research topic and appropriate supervision must be arranged with the HOS prior to enrolment.				
155.799	30 credits	S1	DL	PN
Research Report		DS	DL	PN
Students are required to write a report based on independent research. The research topic and appropriate supervision must be arranged with the HOS prior to enrolment.				
155.800	120 credits	*	*	*
MPhil Thesis				
Students are required to write a thesis based on independent research. The thesis topic and appropriate supervision must be arranged with the HOS prior to enrolment.				
155.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
155.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
155.897	60 credits	*	*	*
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
155.898	60 credits	*	*	*
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
155.899	120 credits	*	*	*
Thesis				
Students are required to write a thesis based on independent research. The thesis topic and appropriate supervision must be arranged with the HOS prior to enrolment.				
155.900	120 credits	*	*	*
PhD Business Law				

156

MARKETING

156.200	15 credits	S1	DL	AL
Marketing for Non-Marketers		S1	I	AL
An introduction to marketing management for students who do not intend to specialise in Marketing. The paper is designed to develop an understanding of the marketing function and the application of marketing principles to the marketing of services, industrial and consumer goods, and not-for-profit organisations.				
156.231	15 credits	S1	I	AL
Strategic Marketing Management		S2	DL	AL
A study of the decisions required to allocate and manage marketing resources in a competitive business environment.				
156.232	15 credits	S1	DL	PN
Consumer Behaviour		S1	I	AL
A study of the theory and practice of changing consumer behaviour through marketing programmes. The paper critically evaluates traditional cognitive models of consumer behaviour and alternative behaviourist approaches.				

		Sem	Mode	Loc
156.233	15 credits	S2	DL	PN
Marketing Research		S2	I	AL
A study of the collection, analysis and interpretation of marketing information. Topics covered in the paper include research methodology, experimentation, sampling, questionnaire design and the role of marketing research in managerial decision-making.				
156.235	15 credits	S2	I	AL
Electronic Marketing				
A study of the impact, application and evaluation of new information technologies (IT) and media marketing. Topics covered include marketing applications of technologies such as databases and networks, electronic marketing solutions development, and ethical and legal issues.				
156.237	15 credits	S1	DL	PN
Marketing Communication		S1	I	PN
A study of integrated marketing communication, including key theories of marketing communication, elements of the communication mix, and effective campaign design.				
156.238	15 credits	S2	I	PN
Marketing New Products				
A study of new product and service development processes from a marketing perspective.				
156.261	15 credits	*	*	*
Sport Marketing				
A practical application of marketing and sponsorship principles to the sport context.				
156.331	15 credits	*	*	*
Marketing Strategy				
Advanced study of marketing principles and practice, integrating the topics covered at 200-level.				
156.333	15 credits	S1	DL	PN
Market Analysis		S1	I	PN
The application of quantitative methods to the analysis of market structure and brand competition.				
156.334	15 credits	S1	I	WL
Marketing Planning		S2	DL	PN
A study of the concepts and practice of marketing planning, including the preparation of a marketing plan.				
156.338	15 credits	S1	I	PN
International Marketing		S2	DL	AL
A critical examination of issues in international marketing and their relevance to business and society.				
156.339	15 credits	S1	I	AL
Retail Marketing		S1	I	WL
A critical examination of marketing in the retail sector.				
156.340	15 credits	S2	I	AL
Customer Intelligence				
This paper teaches methods to convert organisations' large data sets about customers, competitors, channel partners and their own activities into information for improved marketing decision making.				
156.341	15 credits	S1	I	AL
Branding		S1	I	PN
A critical examination of brands and issues in branding and their relevance to business and society.				
156.700	30 credits	S1	DL	PN
Essentials of Marketing		S1	I	AL
A study of the theory and practice of marketing. This paper is designed for graduate students to provide a comprehensive knowledge in marketing.				
156.741	30 credits	*	*	*
Advanced Marketing Management				
The study of the conceptual aspects of marketing management including product pricing, promotion and distribution. Emphasis is on the integration of these concepts and how they are linked in marketing decision making in firms and to the communication, creation and delivery of superior value to the customers.				
156.742	30 credits	S2	DL	PN
Advanced Consumer Behaviour		S2	I	AL
A study of the changing nature of consumer behaviour in a dynamic environment. Cognitive models and modes of information processing are studied in relation to various aspects of marketing management. How the study of consumer behaviours is used by academics, practitioners and policy makers is explained.				

		Sem	Mode	Loc
156.743	30 credits	S1	DL	AL
Advanced Marketing Planning and Strategy				
The focus is how firms use their limited resources to position their products or services to create a sustainable competitive advantage. The main goal of a marketing strategy is to create customer satisfaction so the 'how' of marketing strategy, which is the marketing plans and planning, is addressed.				
156.744	30 credits	S2	DL	WL
Advanced Marketing Research and Analysis				
The focus is on the rationale for marketing research, the steps involved in marketing research and the type of methodologies used in qualitative and quantitative marketing research. Interpretation of results as well as analysis of data in marketing research is included.				
156.755	30 credits	S2	DL	AL
Advanced Electronic and Mobile Marketing				
A critical evaluation of the impact of the online and mobile environment on all aspects of the practice of marketing. Topics covered include the marketing environment, data mining, consumer behaviour, segmenting/targeting and positioning, product, price, distribution, personalisation/customisation, marketing communication, legal obligations and ethical constraints in both the online and mobile environments.				
156.758	30 credits	S1	DL	PN
Advanced Social Marketing				
A detailed examination of various social and ethical issues that affect marketing decisions.				
156.761	30 credits	S2	B1	AL
Customer Insights				
A solid grounding in computerized approaches for obtaining insights on existing and potential customers. For existing customers, the link between marketing activities and customer lifetime value is assessed through the computer-based analysis of internal (within-organization) data on customer transactions and company records. To understand potential customers, external (outside-organisation) data (e.g., online data, census data) are collected through automated computer scripts and utilised to identify business opportunities. The paper also covers computer-based techniques for segmenting customers.				
156.762	30 credits	S2	B1	AL
Return on Marketing Investment				
The development of computer skills for the empirical analysis of the return of marketing investments on sales and profits, for the purpose of supporting marketing decision making. The coverage includes a wide variety of econometric methods, statistical programming approaches, types of marketing investments, and the reporting of the results.				
156.775	30 credits	S1	B1	AL
Theory and Models of Marketing				
This course critically examines marketing theory and its application and aims to explain why the theory of knowledge is important to marketers and its implications for the study and practice of marketing and the evaluation of new ideas. It includes the study of consumer responses to marketing stimuli, using marketing models to measure, analyse and understand consumers.				
156.776	30 credits	S1	DL	WL
Research Methods in Marketing				
This is an advanced research methods paper. It covers critical thinking in marketing research and provides an in depth understanding of qualitative, quantitative and mixed methods approaches to marketing research. It provides a detailed examination of research design, construct measurement, methods of data collection and methods for analysing data.				
156.781	15 credits	S1	DL	PN
Special Topic				
156.795	60 credits	DS	DL	PN
Research Report				
156.798	30 credits	DS	DL	PN
Research Report				
156.799	30 credits	DS	DL	PN
Research Report				
156.800	120 credits	*	*	*
MPhil Marketing				
156.850	120 credits	DS	DL	PN
Thesis				
The supervised undertaking of an original piece of research in marketing communication.				
156.851	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
156.852	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
156.893	60 credits	S1	DL	PN
Research Report				
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.				
156.894	60 credits	S1	DL	PN
Professional Practice				
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.				
156.897	60 credits	S1	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
156.898	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
156.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
156.900	120 credits	DS	I	AL
PhD Marketing				
156.998	0 credits	*	*	*
Personal Course				

157

INFORMATION SYSTEMS

157.240	15 credits	S1	DL	AL
Social Media Networks for Business				
An examination of current issues in the rapidly developing area of social media. A socio-technical approach is taken as to how social media networks are being used in business processes.				
157.241	15 credits	S2	DL	PN
Information Systems, Organisations and E-Commerce				
A study of the organisational context within which information systems are developed and used from both a user and manager's perspective. International issues associated with the use of information systems are identified and their resolution is considered.				
157.325	15 credits	*	*	*
Information management Project				
A guided practical applying business analysis methods to an information system and its environment.				
157.340	15 credits	S1	DL	AL
Organisational Knowledge Management				
An examination of the role of information systems in creating business value in a knowledge economy.				
157.341	15 credits	S2	DL	PN
Strategic Management for Information Systems				
A comprehensive study of issues, concepts and methods used in the strategic management of information systems and information technology.				
157.700	30 credits	*	*	*
Info Systems Management				
A comprehensive overview of the application of computing technology within organisations from a managerial perspective.				
157.701	30 credits	S2	DL	PN
Health Information Management				
A comprehensive study of concepts and methods used in the management of information systems and information technology and their impact on the delivery of healthcare. A managerial perspective is adopted rather than a technological one.				

		Sem	Mode	Loc
157.733	15 credits	*	*	*
Health Information Systems				
A study of the existing and potential applications of information systems that can be used to support the delivery and management of healthcare.				
157.735	15 credits	*	*	*
Data Mining				
A study of data mining methodologies and techniques related primarily to business and information systems applications. An applied approach will be adopted for the most part.				
157.777	30 credits	*	*	*
Mobile Business				
A study of mobile business concepts, business models, challenges, applications and technologies from a managerial perspective. The paper examines current and future trends in mobile business and provides participants with an understanding of how mobile business applications can be applied to fulfil organisational goals and objectives.				
157.791	30 credits	*	*	*
Special Topic				
157.799	30 credits	*	*	*
Information Systems Project				
The development of a piece of work that is well founded in the body of knowledge of a particular topic area and aims to produce either a study of the operational and contextual environment of an IS system, or alternatively, to design and/or develop an IS system to fulfil some specific task.				
157.879	60 credits	*	*	*
Research Report				
157.896	60 credits	*	*	*
Research Report				
157.897	60 credits	*	*	*
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
157.898	60 credits	*	*	*
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
157.899	120 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
157.900	120 credits	DS	I	AL
PhD Information Systems				
		DS	I	PN

158

INFORMATION TECHNOLOGY

158.100	15 credits	S1	DL	AL
Computer Applications and the Information Age				
A broad based and practical introduction to the applications of IT and computers that pervade today's society. A range of software applications will be studied in their context of use, enabling an understanding not only of technical issues but also the social, ethical and organisational aspects of applied computing.				
158.120	15 credits	S2	DL	AL
Fundamentals of Information Technology				
This paper demonstrates how the core components of information technology, including programming, databases, networking, web technologies and human computer interaction, combine to form complex information technology solutions.				
158.212	15 credits	S1	DL	AL
Application Software Development				
A study of the rudiments of structured and object-oriented software development methods and techniques. Students will utilise a modern integrated development environment to gain practical skills.				
158.225	15 credits	S2	DL	AL
Systems Analysis and Modelling				
A study of methods used to capture, analyse and model system requirements. Students will acquire practical skills through case study work utilising techniques and software tools used by industry.				

		Sem	Mode	Loc
158.235	15 credits	S2	DL	AL
Networks, Security and Privacy				
A study of the basic principles of digital communications, Internet technologies, communications software, local area network design, client-server system design, middleware and available wide-area network services from the viewpoint of a software engineer/designer developing networked information systems.				
158.244	15 credits	S1	DL	PN
System Management and Testing				
A discussion of the technical concepts and software issues that IT managers require to plan, operate and maintain computer-based systems and software assets. The paper also considers some core issues in software testing.				
158.258	15 credits	S2	I	PN
Web Development				
An introduction to web-based application development. This paper explores a selection of topics and technologies relevant to the design and creation of web-based systems.				
158.261	15 credits	*	*	*
Digital Multimedia Fundamentals				
A study of the tools and methods used in the development of multimedia systems and their deployment on the web. The practical component involves using a range of professional editing and authoring software.				
158.326	15 credits	S2	I	AL
Software Architecture				
An advanced study of methods used to model, design, build and test robust software architectures. The paper provides an in-depth study of multiple techniques to support software design and implementation. It takes a practical approach using current methods and tools.				
158.329	30 credits	DS	I	AL
Software Engineering Project				
A significant practicum implementing programming concepts and methods. The paper involves project work.				
158.337	15 credits	S1	DL	PN
Database Development				
A study of the application of software engineering principles to the development of databases for information systems. Modern database principles, issues and development methods including conceptual modelling, logical and physical design, implementation, database languages (e.g. SQL), distributed database design, and methods for interfacing with the web are covered. Students will acquire practical skills utilising modern tools and techniques used by industry.				
158.344	15 credits	*	*	*
Emerging Issues in Information Technology				
This paper provides an advanced study of emerging issues in information systems. It will involve the exploration, through appropriate case studies, of important issues in real world information systems. This is an integrated paper in emerging issues that may include security, knowledge management and other factors essential to an understanding of contemporary information systems.				
158.345	15 credits	S2	DL	AL
Social and Professional Issues in Information Technology				
This paper provides an advanced study of social and professional issues in information technology. It will involve the exploration, through appropriate resources, of issues relevant to IT practitioners, including ethics, legal issues, communication, teamwork and professional contexts.				
158.359	15 credits	S1	DL	PN
User Experience Design				
The course will move from conceptual analysis to the design, prototyping and implementation and evaluation of user interfaces. It will emphasise development processes that result in interfaces that provide a superior user experience. Examples of real-life interfaces, from sources such as desktop, multimedia, web, novel, and mobile technologies will be used. There will be a significant practical work component.				
158.360	15 credits	*	*	*
Computer Graphics and User Experience Design				
From conceptual analysis to the design and implementation of user interfaces. Graphics spaces and modelling, rendering, animation, visualisation, game engine programming. Practical work: tools for graphics programming (e.g. OpenGL). Examples drawn from areas such as desktop, web, mobile or other applications, and will apply algorithmic thinking to innovative and intuitive interfaces that produce a usable, superior user experience.				
158.368	15 credits	*	*	*
Multimedia Development				
A study of the software and hardware architectures utilised in the design and production of multimedia systems. The paper includes practical elements of non-linear editing, animation and sound manipulation.				

		Sem	Mode	Loc
158.392	15 credits	S1	I	AL
Special Topic		S1	I	PN
158.729	15 credits	*	*	*
Socio-technical System Design and Evaluation				
This course is designed to help students research socio-technical systems. To design or implement a socio-technical system one must understand its social base, whether email, chat, bulletin board, social network, wiki, blog or online game world. The course helps students develop a research design or practical application for any multi-user application where people interact and affect each other online.				
158.738	15 credits	S2	I	AL
Implementation and Management of Systems Security				
Security and privacy are important features of information systems, in particular with the case of free access, as in Web-based services or E-commerce systems. The goal is to restrict the access of information to legitimate users only. For this purpose techniques from cryptography and information theory have to be studied.				
158.750	15 credits	S1	I	AL
Information Sciences Research Methods				
A study of information science research, its methods, practices, social context and relationships to other fields of study. Research skills including research design, literature evaluation, data collection, data analysis and publication are practised in this paper.				
158.751	15 credits	S2	B2	AL
Object-Oriented Software Development - Theory and Practice				
A study of the object-oriented paradigm applied to software development and database design. The paper includes practical work with an object-oriented analysis and design method, a UML CASE tool and an object-oriented programming language.				
158.752	15 credits	*	*	*
Agile Software Engineering				
An advanced study of agile software engineering. The paper provides an in-depth investigation of the techniques, methods and practical activities used in the development of software using an agile approach. There will be a significant practical element to the paper.				
158.753	15 credits	S2	I	AL
Rapid Application Development				
The paper investigates the concept and practice of Rapid Application Development. It examines the commercial pressures which promote RAD and the theoretical frameworks which make RAD a desirable methodology. Practical assignments will use RAD environments.				
158.757	15 credits	S1	I	AL
User Interface Design and Evaluation				
Focuses on the design and evaluation of human-computer interfaces (HCI) for computerised information systems covering: task analysis, the process of design, the use of rapid prototyping in HCI design, and formative and summative usability testing, as well as the integration of user interface design techniques into the SDLC. The approach is hands-on.				
158.758	15 credits	S1	B1	AL
Mobile Systems Development				
A technological approach to mobile computing systems that covers technical aspects of mobile systems development.				
158.759	15 credits	*	*	*
Emerging Issues in E-Health				
A study of emerging trends in information management that are driven by information and communication technologies (ICTs) and their impact on the planning and delivery of high-quality and cost-effective healthcare (e-health).				
158.762	15 credits	*	*	*
Software Quality and Reliability				
An advanced study of software quality assurance and reliability analysis techniques used in Information Technology projects. The paper provides an in-depth study of software validation and verification strategies using appropriate methods, metrics and models. Current tools and practices will be applied to representative software systems.				
158.791	30 credits	S1	I	AL
Special Topic		S2	I	AL
158.793	15 credits	S1	I	AL
Special Topic				
INFORMATION SYSTEMS				
158.796	15 credits	S1	I	AL
Special Topic		S2	I	AL
INFORMATION TECHNOLOGY				
158.797	15 credits	S1	I	AL
Special Topic		S2	I	AL

		Sem	Mode	Loc
158.799	30 credits	DS	I	AL
Information Technology Research Project		DS	I	PN
An in-depth study of information sciences research, exploring both research methods and project execution. This paper provides a practical approach to the principles and practices of academic research, and incorporates a full project life cycle.				
158.888	60 credits	S1	I	AL
Information Technology Professional Project		S2	I	AL
Candidates will undertake a practical and/or research IT project including some or all of the following: requirements engineering, product modeling, user interface design and evaluation, systems security, software testing, and quality assurance. This may be conducted either individually or in groups and assessment may be in a variety of ways including written and oral presentations and software demonstrations.				
158.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1		S2	I	AL
A supervised and guided independent study resulting in a published work.				
158.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		DS	I	AL
A supervised and guided independent study resulting in a published work.				
158.899	120 credits	DS	I	AL
Thesis				
A supervised and guided independent study resulting in a published work.				
158.900	120 credits	DS	I	AL
PhD Information Technology		DS	I	PN

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COMPUTER SCIENCE

159.101	15 credits	S1	I	AL
Programming Fundamentals		S2	I	AL
This introductory course teaches the fundamental concepts of using and programming computers through practical experience and problem-solving in a high-level language.				
159.102	15 credits	S1	I	AL
Computer Science Fundamentals		S2	I	AL
An introduction to computer science: the discipline, computer systems, the theory of problem-solving and computer applications. Practical laboratory work is an important part of this paper.				
159.103	15 credits	SS	I	AL
Introduction to Games Programming and Simulation				
The essentials of designing and constructing computer games; game software architecture; types of games; basic concepts of Artificial Intelligence; basic concepts of computer graphics; platform and performance issues. This paper requires a significant practical programming component.				

ENGINEERING

159.171	15 credits	S1	DL	PN
Computational Thinking and Software Development		S1	I	AL
How to structure problems to find computer based solutions to them. This is a practical paper with an emphasis on software construction in a high level programming language, such as Python.				
159.172	15 credits	S2	DL	PN
Computational Thinking and Algorithms		S2	I	AL
An introduction to computational structures and processes, building on from 159.171 by extending programming ability and putting the developed methods into context. This paper combines theory and practice with an emphasis on algorithm design and implementation using a high level programming language, such as Python, and an introduction to Digital Logic.				

COMPUTER SCIENCE

159.201	15 credits	S1	I	AL
Algorithms and Data Structures		SS	I	AL
Structured types. Array, list, tree and graph algorithms. Hash tables. Dynamic data structures. Abstract data types. Laboratory work is an important part of this course.				
159.202	15 credits	S2	I	AL
Declarative Programming				
Basic functional programming: functions, pattern matching, types, recursion, list processing. Basic logic programming: clauses, recursion, structures, arithmetic, list processing. Programming language concepts. Programming paradigms and language selection.				

		Sem	Mode	Loc
159.233	15 credits	S1	I	AL
Computer Architecture				
Digital logic. Architecture. Processor organisation, analysis and design. Assembler programming.				
159.234	15 credits	S1	I	AL
Object-Oriented Programming				
Introduction to Object-Oriented programming; classes, objects, templates, inheritance, polymorphism, iterators, object libraries.				
159.235	15 credits	S2	I	AL
Graphical Programming				
Programming graphical-user-interfaces using an event-driven model. Drawing and transformation of graphical objects. Rendering in 3D. Animation techniques. Programming with graphical libraries.				
159.240	15 credits	*	*	*
Programming for the Computational Sciences				
The essentials of scientific programming for computational sciences; error propagation; random numbers; design and construction of simulations and models; evolutionary algorithms; genetic algorithms; numerical methods. This paper includes a significant practical programming component.				
159.251	15 credits	S2	DL	PN
Software Engineering Design and Construction				
A study of techniques, methods and tools used to design and construct high-quality software systems.				
159.253	15 credits	S2	DL	PN
Computer Systems				
Computer architecture, assembler, processor organization. A case study, highlighting the decisions involved in producing a well-designed computer architecture.				
159.254	15 credits	*	*	*
Software Engineering A				
Modelling methods, techniques and tools to support the specification and design of large software systems.				
159.270	15 credits	S2	I	AL
Hardware-Oriented Computing				
A study of programming in a hardware-oriented language such as C and the construction of object-oriented software solutions using C++. The paper has a practical focus based on concepts such as pointers, memory allocation, objects, classes, operator overloading, inheritance, and polymorphism. It addresses techniques such as structuring programs, software testing and debugging techniques, and the use of microcontrollers.				
159.271	15 credits	S1	DL	PN
Computational Thinking for Problem Solving				
An in-depth study of data structures and the design and analysis of algorithms to solve real-world problems. The course has a practical focus based on the correct implementation of algorithms in a high level programming language. An introduction to computability, tractability and strategies to address issues related to intractability.				
159.272	15 credits	S1	DL	PN
Programming Paradigms				
A study of modern programming paradigms with an emphasis on object-oriented and functional languages, such as Java and Haskell, and including hybrid languages, such as Scala and Ruby. The selection of appropriate languages for real-world applications, such as user-interface construction and concurrent programming, is a focus of this paper.				
159.302	15 credits	S1	I	AL
Artificial Intelligence				
AI programming. State space representation and search. Heuristics. Planning. Game playing. Knowledge representation. Knowledge-based systems. Natural language processing. Machine learning. Reasoning under uncertainty. Philosophical issues.				
159.331	15 credits	S1	I	AL
Algorithms and Languages				
Comparative programming languages. Programming and algorithm design using different paradigms. Algorithm analysis. Algorithm complexity.				
159.333	15 credits	S1	I	AL
Individual Programming Project				
An intensive computer programming project requiring significant effort on the part of the student.				
159.334	15 credits	S1	I	AL
Computer Networks				
A layered approach to data communications and the Internet protocols.				

		Sem	Mode	Loc
159.335	15 credits	S2	I	AL
Concurrent Programming and Operating Systems				
Task parallelism: processes, synchronisation methods. Operating systems, structures and techniques. Brief introduction to data-parallel and distributed computing.				
159.339	15 credits	S2	I	AL
Internet Programming				
Advanced concepts of programming computers across the Internet: scripting, HTML, client and server-side programs, distributed objects, distributed object frameworks, security.				
159.351	15 credits	*	*	*
Software Engineering B				
Application of software engineering methods to the development of large software systems. Social and professional issues.				
159.352	15 credits	S1	DL	PN
Web Application Development				
A study of the programming and scripting languages, frameworks and tools used to develop web and distributed applications with a consideration of security and privacy issues involved in these technologies.				
159.354	15 credits	S2	I	PN
Data Communication Networks				
The Internet is a fundamental platform for communication in our world. The architecture and protocols of this network of networks are essential to how they operate. This paper focusses on the associated multi-layer protocol structure of the Internet by showing how it is constructed and how protocols underpin the variety of applications developed to support business, education and social networking.				
159.355	15 credits	S1	DL	PN
Concurrent Systems				
This course builds on concurrency theory giving practical experience in all aspects of concurrent programming, including issues of synchronisation. Operating systems, structures and techniques are presented as examples of complex, concurrent programs.				
159.356	15 credits	S2	I	PN
Software Engineering Capstone Project				
Management of the software engineering process. A group project will form a significant component of this paper.				
159.359	15 credits	*	*	*
Web Technologies				
Infrastructure: network server hardware technologies, router and firewalls, web server infrastructure and configuration, distributed web servers. Software: Internet applications, web development tools, scripting languages, web client domain object models, security, architectural design for the web and XML.				
159.360	15 credits	S2	DL	PN
Programming for Computer Graphics				
Generating graphical images and animations involves a variety of concepts and tools, starting from basic modeling and algorithms to advanced tools for graphics programming. The course covers theory and underlying algorithms as well as practical programming exercises including games using 3D graphics.				
159.372	15 credits	S2	DL	PN
Intelligent Machines				
This paper introduces fundamental techniques to create intelligent machines, including formalisms for representing knowledge and reasoning about it, methods for searching and planning, and approaches to machine learning.				
159.381	15 credits	S1	I	AL
Programming Project - Design				
Design of a substantial software application including analysis, requirements and data structure considerations. Assessment includes written reports and oral presentations. Students usually work in small teams.				
159.382	15 credits	S2	I	AL
Programming Project – Implementation				
Implementation of a substantial software application including language selection, programming, testing and debugging. Assessment includes written reports and software demonstrations. Students usually work in small teams.				
159.391	15 credits	S1	I	AL
Special Topic				
S1 I AL				
S1 I PN				
S2 I AL				
S2 I PN				
SS I AL				
159.392	15 credits	S1	I	AL
Special Topic				
S1 I PN				
S2 I AL				
S2 I PN				

		Sem	Mode	Loc
159.402	15 credits	*	*	*
Programming Languages				
Topics in programming languages.				
159.403	15 credits	*	*	*
Advanced Computer Systems				
Advanced topics in computer systems, including concurrency, specification and advanced technologies.				
159.404	15 credits	*	*	*
Systems Programming				
Selected projects including some or all of the following topics: Internet technology, language translation, scripting languages, distributed systems, security and encryption.				
159.407	15 credits	*	*	*
Object-Oriented Software Engineering				
A study of the concepts, principles, techniques and development methodologies related to Object-Oriented Technology and its applications. UML. Design Patterns and Frameworks. Components Software Engineering. Practical projects using an object-oriented language.				
159.410	15 credits	*	*	*
User Interface Design				
Practical techniques, models and tools to support the analysis and design of user interfaces.				
159.702	15 credits	S1	I	PN
Knowledge Engineering				
A study of state-of-the-art techniques in knowledge engineering used in the context of the semantic web, such as ontologies, OWL, description logic, rule engines and graph databases.				
159.703	15 credits	S2	I	AL
Advanced Computer Systems				
Advanced topics in computer systems, including concurrency, interconnection networks and technology drivers.				
159.704	15 credits	S1	I	PN
Systems Programming				
Selected projects including some or all of the following topics: Internet technology, language translation, scripting languages, distributed systems, security and encryption.				
159.707	15 credits	S1	I	PN
Advanced Software Design and Construction				
A study of state-of-the-art techniques used to design and construct complex, enterprise-level software systems, including: component-based software engineering, dependency injection, frameworks, design patterns, design analysis, aspect-oriented programming, distributed objects, meta programming and multi-paradigm programming languages.				
159.709	15 credits	S1	I	AL
Computer Graphics				
Graphics devices. Interactive graphics systems. Drawing algorithms. Lines and polygons. Curves and surfaces. Representation of 3-D objects. Perspective. Techniques for visual realism. The course will include practical programming work.				
159.710	15 credits	S2	I	PN
User Interface Design				
Practical techniques, models and tools to support the analysis and design of user interfaces.				
159.731	15 credits	S1	I	AL
Studies in Computer Vision				
Selected advanced topics including: low level digital image processing, 2D/3D image processing, image transforms, pattern recognition.				
159.732	15 credits	S2	I	AL
Studies in Computer Programming				
Selected advanced topics including: programming paradigms; procedure; functional; declarative; object-oriented; compiler techniques.				
159.733	15 credits	*	*	*
Studies in the Practice of Computing				
Selected advanced topics including: Software engineering; programming techniques; language design; user interfaces; computer security; information warfare; cryptography.				
159.734	15 credits	*	*	*
Studies in Machine Learning				
Selected advanced topics including: Neural networks; AI; machine learning; robotics; genetic algorithms.				

		Sem	Mode	Loc
159.735	15 credits	S1	I	AL
Studies in Parallel and Distributed Systems				
Selected advanced topics including: Parallel computing; network security; client-server computing; compression; web applications; wireless and mobile computing.				
159.736	15 credits	S1	I	AL
Studies in Operating Systems and Architecture				
Selected advanced topics including: Concurrency; scheduling; API programming; real-time and embedded systems; fault tolerance; computer architecture; HDLS.				
159.737	15 credits	S2	I	AL
Studies in Compilers and Grammars				
Selected advanced topics from grammars and compilers, including: formal grammars, languages, lexical analysis, parsing, semantic analysis, optimization and code generation. This paper contains significant practical programming.				
159.738	15 credits	S1	I	AL
Special Topic				
159.739	15 credits	S1	I	AL
Special Topic				
159.740	15 credits	*	*	*
Studies in Intelligent Systems				
Selected advanced topics including: knowledge-based systems; AI; agents; natural language processing; search and constraint satisfaction.				
159.741	15 credits	S2	I	AL
Intelligent Robotics				
Topics in the application of Artificial Intelligence techniques to robotics and mechatronic systems. Including mobile robot case studies, robot programming, real time interfacing and intelligent control.				
159.771	15 credits	S1	I	PN
Special Topic				
159.772	15 credits	*	*	*
Special Topic				
159.773	15 credits	S1	I	PN
Special Topic				
159.774	30 credits	DS	I	PN
Special Topic				
159.776	15 credits	*	*	*
Special Topic				
159.793	30 credits	DS	I	AL
Project				
159.794	15 credits	S1	I	AL
Project				
159.795	15 credits	S2	I	AL
Project				
159.799	30 credits	DS	I	PN
Research Report				
159.870	60 credits	*	*	*
Research Report				
159.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
159.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
159.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
159.888	60 credits	S1	I	AL
Computer Science Professional Project				
Candidates will undertake a practical and/or research project including the design and production of a significant software application. This may be conducted either individually or in groups and assessment may be in a variety of ways including written and oral presentations and software demonstrations.				
159.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
159.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.		DS	I	AL
		DS	I	PN
		S2	I	AL
		S2	I	PN
159.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
159.900	120 credits	DS	I	AL
PhD Computer Science		DS	I	PN

160

MATHEMATICS

160.001	24 credits		*	*	*
Foundation Studies in Mathematics					
A paper designed to increase the confidence of students in handling mathematical concepts and skills. Content includes algebraic skills, functions and graphs, and an introduction to calculus. A laboratory course using appropriate mathematical software.					
160.103	15 credits	S1	DL	PN	
Introductory Mathematics		S1	I	PN	
A paper designed to increase the confidence of students in handling mathematical concepts and skills. Content includes algebraic skills, functions and graphs, and an introduction to matrices and calculus.		S2	DL	PN	
		S2	I	PN	
		SS	B3	PN	
		SS	DL	PN	
160.111	15 credits	S1	DL	PN	
Mathematics 1A		S1	I	PN	
This paper provides a solid mathematical foundation for further studies in mathematics, science and engineering. It consolidates basic concepts and introduces more advanced material on differentiation and numerical techniques, enabling the formation of mathematical models of real-world problems. The paper blends topics from calculus with those from linear algebra and includes matrices, linear equations, vectors and geometry.					
160.112	15 credits	S2	DL	PN	
Mathematics 1B		S2	I	PN	
This paper builds on the foundation provided by 160.111. Together these papers provide a mathematical platform for more advanced studies in mathematics, science and engineering. The topics are a blend of calculus and linear algebra, including complex numbers, linear transformations, eigenvectors, advanced techniques of integration, differential equations and applications.					
160.131	15 credits	S1	I	AL	
Mathematics for Business I					
Development of algebraic skills. An introduction to linear equations and matrices, including graphical linear programming. Graphs. An introduction to calculus. Use of spreadsheets and/or other mathematical software.					
160.132	15 credits	S1	I	AL	
Concepts in Mathematics		S2	I	AL	
At the heart of this paper are three mathematical questions: what is an equation, what is a solution and what is a function? Through exploring these three themes, students will be exposed to different types of equations, different types of solutions and mathematical functions. Students will also learn to differentiate, integrate and manipulate simple equations and develop problem solving skills.		SS	B1	AL	
160.133	15 credits	S1	I	AL	
Processes in Mathematics		S2	I	AL	
A mathematical foundation for further studies in mathematics, statistics, natural and computing sciences, business and education. It combines a blend of concepts, techniques and applications. Topics from algebra and calculus include matrices, vectors and geometry, complex numbers, techniques and applications of differentiation and integration. The paper follows from 160.132; well-prepared students from high school can enter 160.133 directly.					
160.203	15 credits	S1	DL	PN	
Calculus		S1	I	PN	
The techniques of 100-level calculus are applied and extended in the study of infinite series, vector-valued functions and functions of two or more variables. Topics include convergence of power series, partial derivatives, double and triple integrals with applications to surface area and volumes, line and surface integrals.		S2	I	AL	

		Sem	Mode	Loc
160.204	15 credits	S1	I	AL
Differential Equations I		S2	DL	PN
Exact solution methods for ordinary differential equations including the use of the Laplace transform. Systems of differential equations, matrix methods, phase plane techniques. Numerical methods for differential equations.		S2	I	PN
160.211	15 credits	S1	I	AL
Linear Algebra		S2	DL	PN
Vector spaces, linear transformation, matrix representation, inner product spaces, isometries, least squares, generalised inverse, eigen theory, quadratic forms, norms, numerical methods.		S2	I	PN
160.212	15 credits	S1	DL	PN
Discrete Mathematics		S1	I	PN
Sets, logic, mathematical induction, functions and equivalence relations. Partial orderings, algebraic structures and morphisms. Error correcting codes and public key cryptography. Graph theory.		S2	I	AL
160.232	15 credits	*	*	*
Mathematics for Business II				
Mathematical techniques used in finance, economics and business. A selection from linear algebra, linear programming and sensitivity analysis, simulation, constrained and unconstrained multivariate analysis, techniques of integration, simple differential equations. Appropriate computer packages will be used as required.				
160.301	15 credits	S1	I	AL
Analysis		S2	I	PN
Real analysis: inequalities, the continuum property, induction, sequences, functions and limits, continuity, contraction mappings and fixed points, differentiation, mean value theorems and Taylor's theorem. Complex analysis: geometry in the complex plane, limits and continuity, holomorphic functions, line integrals, Cauchy's theorem and some elementary consequences, singularities and Laurent's theorem, the calculus of residues and some applications.				
160.302	15 credits	S1	DL	PN
Algebra		S1	I	PN
Group theory - basic properties, permutation groups, finite Abelian groups, cosets, normal subgroups, homomorphism theorems, representation. Ring theory - integral domains and fields, ideals, homomorphism theorems, factorisation, extension fields.		S2	I	AL
160.314	15 credits	S1	DL	PN
Combinatorics				
Permutations and combinations, binomial coefficients, the inclusion-exclusion principle, generating functions, recurrence relations, Polya's theorem, topics in graph theory.				
160.316	15 credits	*	*	*
Geometry				
Transformation geometry and symmetry - isometries, frieze groups, wallpaper groups. Axiomatic geometry - axiom systems, models and independence, Euclidean geometry, Euclid's parallel postulate and non-Euclidean geometry.				
160.317	15 credits	*	*	*
Methods of Mathematical Physics				
An introduction to the mathematics of physical theories. Vector and tensor calculus. Curvilinear coordinate systems. Integral theorems. Introduction to differential forms. Group theoretic ideas in physics. Illustrations from physics and engineering.				
160.318	15 credits	S1	I	AL
Differential Equations II		S1	I	PN
Ordinary differential equations: series solutions, special functions, Sturm-Liouville problems, Green's functions. Partial differential equations: method of characteristics, classification of second order equations, separation of variables, numerical methods, Fourier transforms.				
160.319	15 credits	S2	I	AL
Mathematical Modelling		S2	I	PN
The mathematical modelling process and methodologies examined through a variety of case studies. Application of analytical techniques, numerical methods and computer software packages to the solution of differential equations, difference equations and linear and nonlinear systems.				
160.320	15 credits	S2	DL	PN
Mathematics in Education				
A discussion of some fundamental question in mathematics education: What is mathematics? Why teach mathematics? How do people learn mathematics? The nature of mathematical concepts and the difficulties associated with learning them. Issues in mathematics education: Culture and mathematics, creativity and mathematics, etc.				
160.325	15 credits	*	*	*
History of Mathematics				
A general survey of the history of mathematics up to the end of the eighteenth century, with specific reference to important mathematical works and contributions of major mathematicians.				

Sem	Mode	Loc	Credits	Description
160.380			15 credits	
Project	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
	SS	I AL		
	SS	I PN		
160.702			15 credits	
Advanced Algebra	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
A selection of topics in advanced algebra which may include the following: isomorphism theorems, series of groups, Sylow theorems, classification of finitely generated abelian groups, free groups, group representations, matrix representations and characters of groups; extension fields, Galois correspondence, solvability of polynomial equations; semigroups, Green's equivalence, regular semigroups, inverse semigroups.				
160.703			15 credits	
Advanced Analysis	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
A selection of advanced topics from real, complex, abstract and functional analysis, with applications, e.g. Fourier series, approximation theory.				
160.704			15 credits	
Studies in Theoretical Mathematics	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
Selected advanced topics from geometry, topology, number theory, analysis and combinatorics.				
160.705			15 credits	
Studies in Discrete Mathematics	S1	I PN		
	S2	I PN		
An advanced investigation of some topics in discrete mathematics which may include graph theory, combinatorics and set theory.				
160.715			15 credits	
Advanced Computational Methods	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
Advanced study of computational solution methods with topics selected from approximation theory, sparse linear systems, matrix eigenproblems, initial value problems and boundary value problems in ordinary differential equations and partial differential equations.				
160.725			15 credits	
General Relativity	S1	I PN		
	S2	I PN		
Einstein's Theory of General Relativity is universally accepted as the best macroscopic theory of gravitation currently available. The foundations for the theory are provided and some applications are discussed in detail, e.g. planetary motion, black holes.				
160.733			15 credits	
Methods of Applied Mathematics	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
A selection of topics which may include asymptotic analysis, the calculus of variations, integral equations and partial differential equations. Some applications to problems in engineering and physics will be discussed.				
160.734			15 credits	
Studies in Applied Differential Equations	S1	I AL		
	S1	I PN		
	S2	I AL		
	S2	I PN		
Topics in the advanced study of ordinary and partial differential equations selected from dynamical systems, chaos, Lie symmetries, and applications to mathematical modelling, physics and engineering.				
160.737			15 credits	
Studies in Mathematical Physics	S1	I PN		
	S2	I PN		
Studies of the mathematical formulation of the physical principles required for the development of modern theories in mathematical physics. A topic or topics will be selected from areas such as Lie groups and algebras, analytical mechanics, electrodynamics, quantum mechanics and kinetic theory, together with suitable applications.				
160.738			15 credits	
Studies in Continuum Mechanics	*	* *		
The Continuum Hypothesis. Development of the equations of conservation of mass, momentum and energy for a continuum from first principles. Constitutive laws. Theory and applications for materials selected from liquids, gases, solids and porous media.				
160.739			15 credits	
Studies in Applied Mathematics	S1	I AL		
	S2	I AL		
Systematic development of mathematical applications from, for example, physics and engineering, decision sciences, mathematical finance, environmental sciences, computational and/or information sciences.				
160.783			30 credits	
Mathematics Project	DS	I AL		
	DS	I PN		
160.784			30 credits	
Industrial Mathematics Project	DS	I AL		
A supervised industrially-based Mathematics problem-solving project based in a client company culminating in the provision of expert advice via a project report.				

Sem	Mode	Loc	Credits	Description
160.791			15 credits	
Special Topic	S1	I AL		
	S1	I PN		
160.792			15 credits	
Special Topic	S2	I AL		
	S2	I PN		
160.870			60 credits	
Research Report	*	* *		
160.871			45 credits	
Thesis 90 Credit Part 1	S1	I PN		
	S2	I PN		
A supervised and guided independent study resulting in a published work.				
160.872			45 credits	
Thesis 90 Credit Part 2	S1	I PN		
	S2	I PN		
A supervised and guided independent study resulting in a published work.				
160.875			90 credits	
Thesis	DS	I PN		
A supervised and guided independent study resulting in a published work.				
160.897			60 credits	
Thesis 120 Credit Part 1	DS	DL PN		
	DS	I AL		
	DS	I PN		
	S2	I AL		
	S2	I PN		
A supervised and guided independent study resulting in a published work.				
160.898			60 credits	
Thesis 120 Credit Part 2	S1	I AL		
	S1	I PN		
	DS	DL PN		
	DS	I AL		
	DS	I PN		
	S2	I AL		
	S2	I PN		
A supervised and guided independent study resulting in a published work.				
160.899			120 credits	
Thesis	DS	DL PN		
	DS	I AL		
	DS	I PN		
A supervised and guided independent study resulting in a published work.				
160.900			120 credits	
PhD Mathematics	DS	I AL		
	DS	I PN		

161

STATISTICS

161.110			15 credits	
Introductory Business Statistics	*	* *		
Applied statistics in a business context. Exploratory data analysis, sampling, modelling data using distributions, and time series. Estimation for means, proportions and regression.				
161.120			15 credits	
Introductory Statistics	S1	DL PN		
	S1	I PN		
	S1	I2 PN		
	S2	I AL		
Applied statistics emphasising applications in the sciences and social sciences. Use of graphs and numbers to summarise and interpret data; data collection with surveys and experiments; elementary probability and sampling distributions to describe variability; inference for means, proportions, contingency tables and regression.				
161.130			15 credits	
Introductory Biostatistics	S2	DL PN		
	S2	I AL		
	S2	I PN		
Applied statistics with emphasis on biology. Exploratory data analysis. Surveys and experiments. Elementary probability and sampling variability. Inference for means, proportions, contingency tables and regression.				
161.200			15 credits	
Statistical Models	S2	DL PN		
	S2	I AL		
	S2	I PN		
The theory behind statistical modelling, and its links to practical applications. The course covers: basic probability and random variables, models for discrete and continuous data, estimation of model parameters, assessment of goodness-of-fit, model selection, confidence interval and test construction.				
161.220			15 credits	
Data Analysis	S1	DL PN		
	S1	I PN		
	S2	I AL		
	SS	DL PN		
Understanding data is essential in the natural and social sciences, business, and industry. This course is practical and uses modern statistical software to analyse real-world data. Topics are selected from: data collection, data displays, exploratory analysis, regression, ANOVA, chi-squared tests, non-parametric tests, time series and forecasting.				

		Sem	Mode	Loc
161.221	15 credits	S1	I	AL
Applied Linear Models		S2	DL	PN
Statistical linear models for application in science, business and social science. Topics include simple and multiple regression; linear models with categorical explanatory variables; model diagnostics; inference for linear models; polynomial regression; models for time dependence; methods for variable selection; and weighted regression.				
161.223	15 credits	S1	DL	PN
Introduction to Data Mining		S1	I	PN
An introduction to data mining techniques; analysis of moderate to large sized datasets; data preparation; handling missing data; statistical graphics and exploratory data analysis; prediction and classification by regression modelling, neural network and tree-based methods; cluster analysis; association mining with market basket methods; extensive use of a leading software tool.				
161.230	15 credits	*	*	*
Probability Modelling				
An introduction to the key concepts and theory of basic probability, random variables and their distributions under a non-calculus-based setting. Computer simulation is used to motivate probability concepts and enable students to experimentally study topics. Applications to Markov chains and queueing models.				
161.231	15 credits	*	*	*
Statistical Modelling				
The theory behind statistical modelling and its link to practical applications. The course covers: random variables and their distributional properties, models for discrete and continuous data, estimation of model parameters, assessment of goodness-of-fit, model selection, confidence intervals and hypothesis tests.				
161.240	15 credits	*	*	*
Applied Probability for Management				
An introduction to probability and its applications in Management Science / Operations Research. Topics will be selected from probability, inventory models, dynamic programming, Markov chains, queueing, simulation, option pricing, portfolio theory and forecasting. Includes a spreadsheet-based computing element.				
161.250	15 credits	S1	I	AL
Data Analysis for Biologists				
This course provides a practical approach to the use and interpretation of statistical methods and software to analyse biological data arising in a variety of contexts, including ecology, zoology and marine biology. Topics covered may include: the central limit theorem, t-tests, randomisation tests, ANOVA, chi-squared tests, experimental design, regression and ANCOVA.				
161.301	15 credits	*	*	*
Statistical Inference				
Distributions and random variables, limit theorems, order statistics. Estimation; moment estimators and maximum likelihood, point and interval estimators and their properties. Hypothesis testing; size and power, generalised likelihood ratio, relationship to confidence intervals. Goodness of fit. Nonparametric and computational methods.				
161.304	15 credits	S1	DL	PN
Advanced Statistical Modelling		S1	I	PN
		S2	I	AL
The use of modern computational statistical tools to solve real-world problems. Topics include: the basics of stochastic modelling, Markov chains, simulation methods, likelihood and Bayesian approaches, and the Markov chain Monte Carlo method of model fitting.				
161.320	15 credits	*	*	*
Fitting Regression Models				
This course is concerned with the application of regression models. Topics include fitting simple and multiple regression models by the method of least squares; assessing fitted models and the use of diagnostic plots; inference for regression models (including analysis of variance) and interpretation of results; modelling nonlinear relationships using transformations and polynomial regression; modelling with categorical explanatory variables; methods for variable selection; and weighted regression. The paper is a practical one and a computer program is used for analysis of all models.				
161.321	15 credits	S2	B2	AL
Sampling and Experimental Design				
The implementation of appropriate sampling and experimental designs is a fundamental tool for successful research in many natural and human sciences. Topics include: the logic of scientific investigations, stratified random sampling, simple and complex ANOVA designs, fixed and random factors, nested hierarchies, interactions, mixed models, inference spaces and estimation of variance components.				
161.322	15 credits	*	*	*
Survey Design, Implementation and Analysis				
This paper covers a broad range of situations in which sample surveys are used. The central aim of the course is to provide the sound general background needed for carrying out a sample survey, including both practical aspects and the essential details on design and analysis.				

		Sem	Mode	Loc
161.323	15 credits	S1	B1	AL
Multivariate Analysis				
Methods to understand patterns and structures inherent in data sets containing more than one variable. The fundamentals of ordination, clustering and testing methods for the analysis of several variables, with examples taken from a range of applications.				

		Sem	Mode	Loc
161.324	15 credits	S1	B2	AL
Data Mining				

A practical approach to data mining with real life applications and case studies; analysis of moderate to large volumes of data; data warehousing and cleansing; descriptive and predictive modelling; classification and regression trees; neural networks; memory-based reasoning; dimension reduction; cluster analysis including self-organising maps; ensemble models with hybrid, bagging and boosting; basics of text mining; rare event prediction and time oriented analysis; extensive use of modern data mining software tools.

		*	*	*
161.325	15 credits	*	*	*
Statistical Methods for Quality Improvement				

A comprehensive introduction to statistical process control, industrial experimentation and other methods of quality improvement and management. Topics covered include a brief introduction to quality, total quality management, simple tools for quality improvement and ISO 9000. The major topics covered are control charts, process capability, factorial experiments, fractional replication of 2^k design, response surface methods, Taguchi methods and acceptance sampling. Special emphasis will be given to the use of appropriate statistical software.

		*	*	*
161.326	15 credits	*	*	*
Statistical Machine Learning				

Introduction to artificial intelligence methods and statistical learning; supervised learning; neural networks; linear methods of regression and classification; Bayesian and kernel classifiers; tree based methods; unsupervised learning; k-means; self-organizing maps; principal components and statistical clustering; optimization and genetic algorithms.

		S2	DL	PN
161.327	15 credits	S2	I	PN
Generalised Linear Models				

Fitting models where Normality cannot be assumed. Applications include exponential lifetimes, binary survivals, Poisson accidents and contingency tables. Practical examples will be analysed with a computer package.

COMPUTER SCIENCE

		*	*	*
161.330	15 credits	*	*	*
Statistical Programming				

Functional programming applied to data analysis and data mining. Analysis of large databases, searching for meaningful patterns, and creating quality graphical displays. Topics include: Exploratory Data Analysis, Graphical Analysis, Linear Models, Decision Trees, Neural Networks, and Classification.

STATISTICS

		S1	DL	PN
161.331	15 credits	S1	I	PN
Biostatistics		S2	I	AL

The biological and medical sciences yield data requiring a wide range of statistical techniques. Case studies are used to demonstrate topics such as experimental design, multivariate methods; survival analysis, linear models with non-normal errors, and nonlinear regression. Emphasis is placed on application of appropriate statistical techniques through extensive use of statistical software.

		S2	DL	PN
161.342	15 credits	S2	I	PN
Forecasting and Time Series				

A practical course on analysing data that arise sequentially in time (e.g. sales figures, precipitation, crime rates, census figures, share prices, etc.). Detecting trends and underlying seasonal patterns; Box-Jenkins methodology, autoregressive and moving average processes; exponential smoothing, classical decomposition and regression methods; introduction to multivariate time series; simulation.

		*	*	*
161.343	15 credits	*	*	*
Simulation				

Use and analysis of simulation methods; problem formulation, discrete event simulation including an introduction to programming language(s), output analysis and tactical aspects, verification and validation. Applications in operations research. Includes a large practical component.

		*	*	*
161.345	15 credits	*	*	*
Stochastic Models in Operations Research				

A study of stochastic models useful in the management and engineering sciences. Topics will be selected from: Poisson processes, queueing systems, Markov processes, networks of queues, simulation, reliability and survival analysis, Markov decision theory, risk assessment, optimisation and forecasting.

Sem	Mode	Loc	Credits	Description
S1	DL	PN	15	161.380 Statistical Analysis Project The paper provides an opportunity for Graduate Diploma in Statistics students to gain statistical research experience. Under supervision of academic staff, students will develop a short research proposal, carry out the proposed research, and write a research report.
DS	DL	PN	15	161.381 Statistical Analysis Project The paper provides an opportunity for Graduate Diploma in Statistics students to gain statistical research experience. Under supervision of academic staff, students will develop a short research proposal, carry out the proposed research, and write a research report.
DS	DL	PN	30	161.382 Statistical Analysis Project The paper provides an opportunity for Graduate Diploma in Statistics students to gain statistical research experience. Under supervision of academic staff, students will develop a short research proposal, carry out the proposed research, and write a research report.
S1	DL	PN	15	161.390 Special Topic
S1	I	AL	15	161.391 Special Topic
S1	DL	PN	15	161.702 Theory of Linear Models The derivation of the distributions and matrices arising from the linear models. The matrix theory approach will be presented geometrically and illustrated with numerical examples covering estimation, distribution theory, hypothesis testing, confidence intervals, analysis of variance and analysis of covariance.
S2	DL	PN	15	161.704 Bayesian Statistics Introduction to the Bayesian paradigm. Markov Chain Monte Carlo estimation using WinBUGS. Comparison with frequentist statistics. Noninformative and improper priors. Inference and model selection. Linear and generalized linear models. Hierarchical Bayes.
S1	DL	PN	15	161.705 Advanced Statistical Inference Properties of estimators: unbiasedness, consistency, efficiency and sufficiency. Methods of estimation with particular emphasis given to the method of maximum likelihood. Hypothesis testing. Interval estimation. Bayesian and decision theory approaches to inference. Computationally intensive methods such as Monte Carlo methods. Randomisation methods with particular emphasis to experimental design applications.
*	*	*	15	161.709 Topic in Statistical Theory A topic in the theory of statistics, such as probability theory, Bayesian statistical theory, statistical decision theory, martingales and stochastic integrals.
*	*	*	15	161.721 Design and Analysis of Experiments Traditional balanced, blocked and multistrata experiments. Recovery of inter-block information. Efficiency and more general, unbalanced blocking schemes.
*	*	*	15	161.723 Theory of Multivariate Statistics Real-life research problems in areas as diverse as archaeology and psychology often require the simultaneous measurement and analysis of a number of variables for their adequate description and resolution. This paper develops the theory and methods of multivariate investigation. Emphasis will be placed on the practical aspects of the description and interpretation of pattern and structure in multivariate data.
*	*	*	15	161.724 Statistical Data Mining Principles of data mining with statistical underpinning of techniques for supervised and unsupervised learning: classification and regression trees; multi-layer neural networks; nearest neighbours; support vector machines; bayesian classifiers; association rules; segmentation; self-organising kohonen maps; gradient boosting and hybrids; text mining; use and assessment of modern software. Examples from recent research literature and case studies will be used to illustrate techniques.

Sem	Mode	Loc	Credits	Description
S1	DL	PN	15	161.725 Statistical Quality Control Revision of statistical process control procedures, evaluation of control chart performance and statistical design of charts, control of high quality process, multivariate process control, new process capability indices, statistical intervals. Industrial experimentation topics, evolutionary operation, analysis of means (ANOM) etc. Revision of acceptance sampling, continuous and special purpose sampling plans. Use of statistical packages.
S2	DL	PN	15	161.726 Extensions to the Linear Model Fitting models where normality cannot be assumed. Applications include exponential lifetimes, binary survivals, Poisson accidents and contingency tables. Practical examples will be analysed with a computer package.
*	*	*	15	161.728 Contingency Table Analysis Sampling schemes that can give rise to contingency tables; maximum likelihood estimation; loglinear models; relationships with logistic regression; models for conditional independence in 3+ dimensional tables. Parameter estimation and hypothesis testing. Odds ratios; models for tables with ordinal margins. Marginal homogeneity.
S1	I	AL	15	161.729 Topics in Applied Statistics A topic in the application of statistics such as non-parametric statistics, multiple comparisons, analysis of complex sample survey data.
*	*	*	15	161.742 Time Series Analysis Principles and practical applications of univariate and multivariate time series analysis: stationarity, detrending, autocorrelation and partial autocorrelation; cross-correlation; linear filtering; spectral analysis; Fourier transform; periodogram; smoothing; peak significance; coherence; impulse-response functions; linear filtering; ARIMA and SARIMA modelling; model selection criteria; regression with correlated errors; multivariate regression; vector autoregressive models; transfer function models; econometric and financial modelling; state space models and the Kalman filter.
S1	DL	PN	15	161.743 Statistical Reliability and Survival Analysis Lifetime data occur in a wide variety of contexts: medical, demographic, industrial, economic. This course gives an introduction to the theory and practice of analysing lifetime data, commonly called survival analysis in medical contexts and reliability analysis in engineering.
S1	I	AL	15	161.749 Topics in Applied Probability A topic in probabilistic modelling such as stochastic networks, dynamic stochastic systems, population theory.
S1	B1	AL	15	161.750 Introduction to Analytics An introduction to the field of analytics, including the process of identifying an analytics problem in context, identifying sources and acquiring data, preparing data for analysis to address the problem. Examples are drawn from business, healthcare and public policy. Special attention is given to privacy and ethical considerations and to communication of results.
DS	B1	PN	15	161.770 Statistical Consulting Students are given the opportunity to serve as a consultancy intern with close supervision of staff involved in consultancy activities. Instruction and experience in consultant/client interaction, communication skills, statistical practice, statistical computation and technical writing.
S2	B2	AL	15	161.771 Analysis of Experiments for Researchers Successful research in the natural and physical sciences requires the design, implementation and analysis of directed sampling programmes and experiments. This paper covers the logic of scientific investigations, stratified random sampling, ANOVA designs, fixed and random factors, nested hierarchies, interactions, mixed models, inference spaces and estimation of variance components in a research context.
S1	B1	AL	15	161.772 Multivariate Analysis for Researchers Research methods suitable for the analysis of data containing more than one variable. The fundamentals of ordination, clustering and testing methods for the analysis of several variables, with examples taken from a range of applications. Special emphasis will be placed on achieving a conceptual understanding of the methods in order to implement and interpret the outcomes of multivariate analyses in applied research.

		Sem	Mode	Loc
161.773	15 credits	S1	DL	AL
Regression for Researchers				
Fitting simple and multiple regression models. Diagnostic plots.				
Inference, including analysis of variance. General linear models,				
including transformations, polynomials, models with categorical explanatory				
variables, interactions, weighted regression. Variable selection and				
multicollinearity. Extensions to nonlinear, logistic, and econometric regression				
models. A practical paper using appropriate software, with illustrative examples				
taken from recent research literature.				
161.774	15 credits	*	*	*
Time Series for Researchers				
A practical approach to modelling and forecasting univariate and multivariate time				
series for non-specialists with illustrative examples taken from recent research				
literature. Topics selected from: ARIMA modelling; model selection criteria;				
spectral analysis; regression with correlated errors; ARCH and GARCH models;				
multivariate regression; vector autoregressive models; cointegration and error				
correction models; transfer function models; state space modelling; the Kalman				
filter.				
161.775	15 credits	*	*	*
Sample Surveys				
This paper covers a broad range of situations in which sampling is used with				
emphasis placed on sample surveys. Topics include: stratification, clustering,				
multistage, unequal probabilities of selection. The effects of the design on the				
variance of estimates. Examples from recent research literature will be used to				
illustrate techniques.				
161.776	15 credits	S2	I	AL
Statistical Modelling for Researchers				
Advanced stochastic modelling techniques for applied research problems. Topics				
include: the basics of stochastic modelling, Markov chains, simulation methods,				
likelihood and Bayesian approaches, and the Markov chain Monte Carlo method of				
model fitting.				
161.777	15 credits	S1	B2	AL
Practical Data Mining				
A practical approach to data mining with large volumes of complex data; prepare,				
cleanse and explore data; supervised and unsupervised modelling with association				
rules and market basket analysis, decision trees, multi-layer neural networks,				
k-nearest neighbours, k-means clustering and self-organising maps, ensemble and				
bundling techniques, text mining; use of leading software tools; business examples				
and research literature.				
161.778	15 credits	S1	DL	PN
Biostatistics for Researchers				
Statistical techniques for the biological, medical and other life sciences. Case				
studies are used to demonstrate topics such as experimental design, multivariate				
methods; survival analysis, linear models with non-normal errors, and nonlinear				
regression. Emphasis is placed on application of appropriate statistical techniques				
through extensive use of statistical software.				
161.779	30 credits	*	*	*
Regression and Time Series for Researchers				
Simple and multiple regression: diagnostic plots; autocorrelation; inference;				
ANOVA; transformations; polynomials; categorical explanatory variables;				
interactions; weighted regression; variable selection; multicollinearity; iterative				
and logistic regression. Time series models: ARIMA and SARIMA; ARCH and				
GARCH; transfer and statespace models; vector autoregression; cointegration and				
error correction models; model selection. Analysis using appropriate software.				
Illustrative examples from recent research literature will be used.				
161.780	15 credits	S1	DL	PN
Statistical Analysis Project				
The paper provides an opportunity to gain statistical research				
experience. Under supervision of academic staff, students will				
develop a short research proposal, carry out the proposed research,				
and write a research report.				
161.781	15 credits	DS	DL	PN
Statistical Analysis Project				
The paper provides an opportunity to gain statistical research				
experience. Under supervision of academic staff, students will develop a short				
research proposal, carry out the proposed research, and write a research report.				
161.782	30 credits	DS	DL	PN
Statistical Analysis Project				
The paper provides an opportunity to gain statistical research				
experience. Under supervision of academic staff, students will develop a short				
research proposal, carry out the proposed research, and write a research report.				
161.784	30 credits	DS	I	AL
Industrial Statistics Project				
A supervised industrially-based Statistical problem-solving project based in a client				
company culminating in the provision of expert advice via a project report.				

		Sem	Mode	Loc
161.790	15 credits	S1	DL	PN
Special Topic				
S1 I AL				
S1 I PN				
161.791	15 credits	S2	DL	PN
Special Topic				
S2 I AL				
S2 I PN				
161.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
161.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
161.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
161.891	60 credits	S1	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
161.892	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
161.893	60 credits	DS	DL	PN
Research Report				
DS I AL				
DS I PN				
161.895	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published				
work.				
161.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published				
work.				
161.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published				
work.				
161.899	120 credits	DS	I	AL
Thesis				
A supervised and guided independent study resulting in a published work.				
161.900	120 credits	DS	I	AL
PhD Statistics				
Each project is an individualistic effort on the part of the student in collaboration				
with a supervisor. The type of project and the work to be carried out will be				
decided jointly by the student and the supervisor.				

162

BIOLOGY

162.001	24 credits	*	*	*
Foundation Studies in Biology				
This paper provides a preliminary course in biology designed for students with				
little experience of learning biology in English. Topics include: the diversity of				
life: cells as the basic unit of life; form and function of cells, microbes, animals				
and plants; DNA and molecular genetics; classical genetics; evolution and ecology.				
Emphasis is placed on reading, writing and discussing biology in English.				
162.101	15 credits	S1	I	AL
Biology of Cells				
S1 I PN				
An introduction to eukaryotic and prokaryotic cell structure and function, and the				
chemistry of life. The flow of information within cells and transmission of genetic				
information to progeny in cell division. A description of cellular mechanisms for				
creating genetic diversity and the control of gene expression. An introduction to				
molecular genetics and genomics.				
162.103	15 credits	SS	B3	AL
Introductory Biology				
SS DL PN				
An introductory course in biology suitable for students with little previous				
experience in the subject. Topics include: the diversity of life; cells as the basic				
unit of life; form and function of cells, microbes, animals and plants; DNA and				
molecular genetics; classical genetics; evolution and ecology.				

Sem	Mode	Loc	Credits	Course Name	Description
S1	I	PN	15	162.211 Biology and Genetics of Microorganisms	Structure and metabolism of bacteria and their relation to the environment. Bacterial genetics. Eukaryote microbes - structure, physiology and genetics. Life cycle of viruses. The immune response. Practical training in the manipulation of micro-organisms.
S2	I	PN	15	162.212 The Microbial World	Microbiology as an integrated study of the diversity of micro-organisms and microbial environments. The range of microbial cell structures and metabolism is described in relation to environmental niches, and the molecular mechanisms for responding to environmental change. Actions and interactions of micro-organisms in soil and water.
S2	I	AL	15	162.214 Biology of Microorganisms	Structure and metabolism of bacteria with particular reference to food and environmental microbiology. Bacterial genetics. Eukaryote microbes - structure, physiology and genetics. Life cycle of viruses. The immune response. Practical training in the manipulation of micro-organisms.
S2	I	PN	15	162.283 Medical Microbiology	An introduction to the general principles of host-pathogen interaction for some major groups of bacteria and fungi pathogenic for humans. Detection of pathogens in clinical specimens. Sterilisation, disinfection and control of microbial growth. Antimicrobial agents, resistance to antimicrobial agents and antimicrobial susceptibility testing.
S1	I	PN	15	162.301 Advanced Medical Microbiology	Some major bacterial pathogens of humans in terms of the organisms, their habitats, modes of transmission, disease patterns and laboratory diagnosis. The structure, classification, propagation, assay and transmission of some of the major viruses of humans. Immunity to viruses and the laboratory diagnosis of viral infections.
S1	I	PN	15	162.303 Immunology	The principles of immunology including innate immunity, cell and antibody mediated immunity, the major histocompatibility complex, the hypersensitivities, immunodeficiency and autoimmunity. An introduction to vaccines, clinical immunology and immunological laboratory tests.
*	*	*	15	162.304 Environmental Microbiology	Actions and interactions of micro-organisms in soil, water and air, and the consequences of colonisation processes.
S2	I	PN	15	162.307 Microbial Biotechnology	Selected topics in applied microbiology with a strong emphasis on established biotechnological production processes, such as e.g. various biopolymers.
S2	I	PN	15	162.312 Molecular Microbiology	Major themes in modern microbiology. Molecular analysis of structure, function and export of bacterial surface proteins. Response to environmental change. Molecular typing and population dynamics in pathogens. Developmental signals and differentiation in micro-organisms. Students will have the opportunity to design, implement and evaluate molecular approaches to a problem in microbiology.
S1	DL	PN	15	162.384 Advanced Medical Microbiology	Some major bacterial pathogens of humans in terms of the organisms, their habitats, modes of transmission, disease patterns and laboratory diagnosis. The structure, classification, propagation, assay and transmission of some of the major viruses of humans. Immunity to viruses and the laboratory diagnosis of viral infections.
S1	DL	PN	15	162.389 Immunology	The principles of immunology including innate immunity, cell and antibody mediated immunity, the major histocompatibility complex, the hypersensitivities, immunodeficiency and autoimmunity. An introduction to vaccines, clinical immunology and immunological laboratory tests.
*	*	*	30	162.703 Advanced Topics in Microbiology	The paper will involve use of the current literature to critically examine the experimental systems used to advance knowledge in Microbiology.
S1	I	PN	30	162.704 Current Topics in Microbiology	Current topics in microbiology covering topics in pathogenicity, biofilms, host interactions and industrial applications.

Sem	Mode	Loc	Credits	Course Name	Description
DS	I	AL	30	162.760 Research Methods and Communication in the Biosciences	A directed course in research methodology and communication in biosciences. Assignments may include a research proposal, a literature review, scientific writing for a journal and a formal seminar presentation.
S1	I	AL	15	162.790 Special Topic	
DS	I	PN	30	162.791 Special Topic	
DS	I	PN	30	162.798 Research Report	
*	*	*	60	162.870 Research Report	
S1	I	PN	45	162.871 Thesis 90 Credit Part 2	A supervised and guided independent study resulting in a published work.
S2	I	PN	45	162.872 Thesis 90 Credit Part 2	A supervised and guided independent study resulting in a published work.
DS	I	PN	90	162.875 Thesis	A supervised and guided independent study resulting in a published work.
DS	I	AL	60	162.897 Thesis 120 Credit Part 1	A supervised and guided independent study resulting in a published work.
S1	I	AL	60	162.898 Thesis 120 Credit Part 2	A supervised and guided independent study resulting in a published work.
DS	I	AL	120	162.899 Thesis	A supervised and guided independent study resulting in a published work.
DS	I	AL	120	162.900 PhD Microbiology & Genetics	

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MUSEUM STUDIES

DS	DL	PN	30	167.742 Collection Management	An examination of the following areas of museological theory and practice: material culture; recent research into private collecting; preventive conservation; collection management policy and practice; contemporary collection management issues including collection rationalisation, contemporary collecting, and the changing roles of curators and collection managers.
DS	DL	PN	30	167.743 Museum Management	Semester One introduces museum organisation, governance, policy development, strategic planning and marketing. Semester Two introduces financial management, project management and personnel management. Practical skills in project management, budgeting, grant writing, reports and presentations will be taught.
DS	DL	PN	30	167.744 Museums and the Public	Introduces the philosophy, strategies and practical processes of effectively interpreting and communicating museum programmes for a variety of audiences. Topics include visitor studies, communication methods, evaluation, museum education and exhibitions.
DS	DL	PN	120	167.800 MPhil Thesis	Experienced museum professionals may apply for ad eundem status entry to the MPhil by thesis only. Anyone who has graduated with the Diploma in Museum Studies and who wants to complete a Masters Degree in Museum Studies must enrol in the MPhil by thesis only.
S1	I	PN	60	167.801 MPhil Thesis 120 Credit Part 1	A supervised and guided independent study resulting in a published work.

		Sem	Mode	Loc
167.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
167.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.				
167.817	60 credits	DS	DL	PN
Thesis 120 Credit Part 2		DS	I	PN
A supervised and guided independent study resulting in a published work.				
167.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1		DS	DL	PN
A supervised and guided independent study resulting in a published work.				
167.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
167.883	90 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
167.890	60 credits	DS	DL	PN
Advanced Research Practicum		DS	I	PN
A single semester internship at an approved museum or other heritage organisation, including marae. Students wishing to enrol in this paper should contact the programme coordinator at the earliest opportunity. Students must work full-time on this practicum which may be used to complement 167.896, thus forming a single project worth 120 credits.				
167.896	60 credits	DS	DL	PN
Research Report Museum Studies (60)		DS	I	PN
Students intending to enrol in this paper should write to the programme coordinator of Museum Studies at the earliest opportunity. A dissertation proposal must be submitted by 1 April in the year of enrolment and approved by the Museum Studies Research Committee. A dissertation of not more than 20,000 words must be submitted by 10 October in the year of enrolment.				
167.899	120 credits	DS	DL	PN
Thesis		DS	I	PN
Any student planning to enrol in the MA Thesis should advise the programme coordinator of Museum Studies in writing in the year before enrolment. A local supervisor may also be arranged. Students may enrol part-time and complete the thesis over two years. A thesis of approximately 30,000 words will be submitted. A thesis proposal must be submitted before 1 April in the year of enrolment and approved by the Museum Studies Research Committee. Selection of a thesis supervisor should be discussed with the programme coordinator of Museum Studies.				
167.900	120 credits	DS	I	PN
PhD Museum Studies				

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NURSING

168.121	15 credits	S1	I	AL
Introduction to Nursing and Praxis I		S1	I	PN
This paper introduces selected nursing concepts, examines nursing's contribution to healthcare and considers legal and ethical issues at a beginning level. A practical component is included to introduce specific skills at a beginning level.				
168.123	15 credits	S2	I	AL
Assessment and Clinical Decision-making I		S2	I	PN
This paper introduces the theory and skills required to collect a comprehensive health history and perform a systematic health assessment with the healthy adult.				
168.124	15 credits	S2	I	AL
Nursing in Health and Wellness across the Lifespan		S2	I	PN
This paper explores the concepts of health and wellness. The theories, models, and strategies of primary health care are examined in relation to the NZ health system. It includes discussion of the nurse's role in promoting personal health across the lifespan.				
168.125	15 credits	S1	I	AL
Research Methods and Academic Writing in Nursing		S1	I	PN
Introduction to discipline-related concepts, research and academic processes necessary for a foundation in nursing research and scholarship.				

		Sem	Mode	Loc
168.242	15 credits	S1	I	AL
Nursing in Long-term Adaptation for Healthy Living		S1	I	PN
An exploration of nursing individuals, families and communities adapting to long-term mental and physical impairment or disability.				
168.243	15 credits	S1	I	AL
Praxis II		S1	I	PN
The student is provided with the opportunity to develop and extend nursing knowledge and skills in the context of nursing individuals, families and communities living with long-term impairment or disability.				
168.244	15 credits	S1	I	WL
Promoting Health with Individuals, Families and Communities		S2	I	AL
This paper explores how nurses apply the principles of primary health care to promote health with individuals, families, and communities. It includes an examination of the contribution nurses make to maternal, infant and child health, and to the health needs of communities.				
168.245	15 credits	S1	I	WL
Praxis III		S2	I	AL
Nursing knowledge and skills relevant to primary health care, health promotion and health maintenance with individuals, families and communities including infants and children are integrated in clinical practice.				
168.246	15 credits	S1	I	AL
Professional Development in Nursing		S1	I	PN
Professional issues, ethical concepts and legal requirements in relation to nursing are examined.				
168.310	15 credits	S1	I	AL
Research for Clinical Practice		S1	I	PN
Further examines the significance of research to nursing and midwifery practice, develops an understanding of the research process and enables informed critique of research design.				
168.311	15 credits	*	*	*
Ethico-legal Dimensions of Nursing Practice				
The essential ethical and legal dimensions of contemporary nursing and midwifery practice are explored. This paper includes an overview of ethico-legal nursing and midwifery contexts and issues, an examination of theoretical and applied ethics and those aspects of the legal system that impact significantly on ethical practice.				
168.312	15 credits	S2	I	AL
Issues in Clinical Practice		S2	I	PN
An exploration of contemporary nursing issues across the boundaries of theory, policy and practice.				
168.341	15 credits	S1	I	AL
Nursing in Acute Illness and Trauma		S1	I	PN
The nursing knowledge and strategies required to care for individuals, families and communities experiencing episodes of acute mental and physical illness or injury are examined.				
168.342	30 credits	S1	I	AL
Praxis IV		S1	I	PN
The student will extend and integrate nursing knowledge and health assessment skills, and demonstrate effective nursing interventions in acute healthcare settings. Placements will be in a variety of practice areas and may include homecare.				
168.343	30 credits	S1	I	WL
Professional Practice		S2	I	AL
Synthesising learning in preparation for the transition from student to graduate nurse in selected settings, with an emphasis on active contribution to the inter-professional team.				
168.344	15 credits	S2	I	AL
Assessment and Clinical Decision-making II		S2	I	PN
Focuses on nursing assessment and clinical decision-making in the context of complex health situations across the care continuum.				
168.703	30 credits	S2	B1	AL
Managing Lifelong Conditions				
Health practice knowledge and skills will be developed in the care and management of people and their families with lifelong conditions across the lifespan within a strengths-based framework to improve health and independence, and minimise deterioration.				
168.707	30 credits	*	*	*
Women's Health				
Feminist scholarship provides a basis for examining constructions of gender. This theoretical framework underpins a dynamic examination of key women's health concerns. These concerns are explored in relation to personal experience, health professional practice and policy development.				

Sem	Mode	Loc	Credits
		S2 B1 AL	30 credits
			Contemporary Trends in Clinical Teaching and Learning
			An examination of a range of theoretical perspectives and sociopolitical factors underlying approaches to clinical teaching and learning. Alternative approaches to the design and delivery of practice-based education are explored.
		* * *	30 credits
			Pain Management
			The multidimensional aspects of pain including physiological and psychological components are examined. This knowledge is applied to refine nursing and midwifery interventions in order to meet the needs of people experiencing acute or chronic pain.
		S1 B1 PN	30 credits
			Advanced Assessment and Therapeutic Intervention in Mental Health
			Health assessment across the age continuum including physical assessment, assessment of mental status and the selection and application of diagnostic tools for clinical decision-making. A range of therapeutic modalities for working with people in crisis and those living with enduring mental illness is introduced (includes 25 hours lab/practicum).
		S2 B1 PN	30 credits
			Ethical Dilemmas and Decisions in Professional Practice
			The moral nature of nursing and midwifery practice is explored by an examination of the current ethical dilemmas of practice, underlying moral philosophies, decision-making models and contemporary theories.
		* * *	30 credits
			Clinical Specialty: Family Practice
			Optional modules are offered in selected areas of advanced specialty practice, e.g. acute paediatric nursing, community-based family nurse practitioner, and the specialist knowledge base and skills for practice in each setting are examined.
		S1 B1 AL	30 credits
			Clinical Specialty: Older Persons' Health
			Selected modules related to providing a health service to older people are offered. The specialist knowledge base and skills for working in a variety of older persons' health settings will be critically examined and their application in particular practice contexts explored.
		S2 B1 WL	30 credits
			Clinical Specialty: Mental Health
			A range of therapeutic modalities including family therapy and cognitive therapy are examined and their application in particular practice contexts explored. Optional modules are offered in selected areas of advanced speciality practice, e.g. youth and adolescent services, alcohol and drug services, Māori or Pacific Island services, and the knowledge base and skills for practice in each setting are examined.
		* * *	30 credits
			Māori Centred Practice
			Strategies for the development of a Māori-centred approach to nursing practice will be examined. Partnership frameworks for practice within the primary, secondary and tertiary health settings will be developed based on Māori aspirations and strengths with the aim to achieve positive health outcomes for Māori.
		S2 B1 PN	30 credits
			Wound Management
			The multidimensional aspects of wound management including physiological, pathophysiological and psychological components are examined and applied in the clinical practice setting.
		S1 B1 PN	30 credits
			Primary Health Care Nursing
			A critical examination of primary health care nursing practice in the New Zealand and international context.
		S1 B1 AL	30 credits
			Neonatal Science and Clinical Care of the Neonate I
			An introduction to actual and potential physiological alterations at cellular, organ and systems levels in response to normal and common disease-related conditions of the neonate. Examines the scientific basis for clinical and therapeutic interventions and nursing management of the infant experiencing prematurity and/or illness in the neonatal period (includes 25 hours lab/practicum).
		* * *	30 credits
			Neonatal Science and Clinical Care of the Neonate II
			An advanced exploration of the pathophysiology and aetiology of conditions affecting the neonate requiring intensive care. Includes a critical examination of the concepts and skills which underpin nursing management of infants experiencing intensive care and their families (includes 25 hours lab/practicum).
		S2 B1 AL	30 credits
		S2 B1 PN	30 credits
		S2 B1 WL	30 credits
			Assessment and Clinical Decision-Making
			Development of advanced nursing practice knowledge and skills and comprehensive holistic health assessment and clinical decision-making.

Sem	Mode	Loc	Credits
		S2 B1 AL	30 credits
			Neonatal and Family Assessment and Practice
			Students will be prepared within the context of family centred care to undertake a range of assessments of well, premature, and sick infants and their families as the basis of clinical decision making.
		SS B1 WL	30 credits
			Leadership in Nursing
			Leadership in professional practice is explored within the broader context of health care. The paper critically examines the political, legislative, economic, ethical and cultural issues influencing nursing leadership and the provision of health services within particular scopes of practice.
		* * *	30 credits
			Personal and Community Health
			A critical analysis of the concepts of health, disease, illness and disability within the context of the experience of individuals, and health status of groups, communities and nations.
		S1 B1 AL	30 credits
		S1 B1 PN	30 credits
		S1 B1 WL	30 credits
			Physiology and Pathophysiology
			Selected signs/symptoms are considered in terms of physiological processes at biochemical, cellular and functional levels. The emphasis is on normal physiological processes and their possible subsequent development to pathophysiological phenomena.
		S2 B1 AL	30 credits
		S2 B1 PN	30 credits
		S2 B1 WL	30 credits
			Clinical Pharmacology
			Pharmacology topics relevant to nursing and midwifery practice are presented. These include pharmacodynamics, pharmacokinetics, a range of pharmacotherapeutics and the legalities of prescribing practice. Classes of drugs and appliances associated with prescribing within a specific scope of practice are presented in optional modules (includes 25 hours lab/practicum).
		S1 B1 WL	30 credits
		DS B1 WL	30 credits
		DS B1 WL	30 credits
			Special Topic I
		S1 B1 WL	15 credits
		S2 B1 WL	15 credits
		SS B1 WL	15 credits
			Special Topic V
		S1 B1 AL	30 credits
		S1 B1 PN	30 credits
		S1 B1 WL	30 credits
			Health Research Design and Method
			Philosophical, ethical and methodological issues in relation to health research are examined. Selected quantitative and qualitative methods are explored in depth, in preparation for developing a research proposal for a thesis, or research project.
		DS B1 AL	60 credits
		DS B1 PN	60 credits
		DS B1 WL	60 credits
			Thesis 120 Credit Part 1
			A supervised and guided independent study resulting in a published work.
		DS B1 AL	60 credits
		DS B1 PN	60 credits
		DS B1 WL	60 credits
			Thesis 120 Credit Part 2
			A supervised and guided independent study resulting in a published work.
		DS B1 WL	30 credits
			Prescribing Practicum for Nurses
			A supervised placement in an approved setting in which assessment, clinical decision-making and prescribing is undertaken in accordance with the Nursing Council of New Zealand competency for prescribing practice.
		DS B1 WL	30 credits
			Practicum
			This paper requires the student to undertake, reflect upon, evaluate and document planned and preceptored learning experiences in an approved clinical setting.
		DS B1 AL	30 credits
		DS B1 PN	30 credits
		DS B1 WL	30 credits
			Advanced Neonatal Nursing Practicum
			Selected registered nurses who are currently practising in neonatal intensive care units with high-risk infants and families will be prepared for the nurse practitioner role.
		DS B1 AL	30 credits
		DS B1 PN	30 credits
		DS B1 WL	30 credits
			Research Report (30)
		S1 I PN	45 credits
		S2 I PN	45 credits
			Thesis 90 Credit Part 1
			A supervised and guided independent study resulting in a published work.
		S1 I PN	45 credits
		S2 I PN	45 credits
			Thesis 90 Credit Part 2
			A supervised and guided independent study resulting in a published work.

		Sem	Mode	Loc
168.898	90 credits	DS	B1	WL
Thesis				
A supervised and guided independent study resulting in a published work.				
168.899	120 credits	DS	B1	AL
Thesis		DS	B1	PN
A supervised and guided independent study resulting in a published work.				
168.900	120 credits	DS	I	AL
PhD Nursing		DS	I	PN
		DS	I	WL

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WOMEN'S STUDIES

170.102	15 credits	*	*	*
Women of Ideas and Action				
An introduction to some important feminist thinkers and activists from a range of cultures, employing an interdisciplinary approach to the study of their fiction, theory and activism. The women featured are contextualised in their historical and social milieus and their achievements are studied in relation to the social status of women and the development of feminism in their cultures.				
170.201	15 credits	S2	DL	PN
What is Feminism?				
An examination of feminist theories of gender and gendered social relations and the method of gender analysis.				
170.202	15 credits	S2	DL	PN
New Zealand Feminism				
Surveys the historical and intellectual development of feminisms in Aotearoa/New Zealand with attention to debates about bodies, ethnicities and culture.				
170.303	15 credits	S1	DL	PN
Gender and Violence				
Reviews definitions of gendered violence and critical analysis of various sociopolitical and psychological explanations for its prevalence. An examination of some current legislation and research on violence and social change.				
170.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
170.801	60 credits	*	*	*
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
170.802	60 credits	*	*	*
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
170.816	60 credits	*	*	*
MA Thesis (Part I)				
170.817	60 credits	*	*	*
MA Thesis (Part II)				
170.899	120 credits	*	*	*
MA Thesis Women's Studies				
170.900	120 credits	DS	I	PN
PhD Women's Studies				

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AGRICULTURE / HORTICULTURE PLANTS

171.788	30 credits	DS	I	PN
Research Report (Hons)				
171.789	30 credits	DS	I	PN
Research Report (PGrad Dip)				
171.798	30 credits	DS	I	PN
Research Report MSc				
171.799	30 credits	DS	I	PN
Research Project (BSc Hons)				
171.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
171.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
171.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work				
171.887	60 credits	DS	I	PN
Research Report				
171.889	120 credits	DS	I	PN
Thesis				
171.897	60 credits	DS	I	PN
Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
171.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2		DS	I	PN
A supervised and guided independent study resulting in a published work.				
171.899	120 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
171.900	120 credits	DS	I	PN
PhD Plant Science				

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LINGUISTICS

172.131	15 credits	S1	DL	PN
Language and Communication		S1	I	AL
An introduction to language with particular emphasis on spoken communication.				
172.133	15 credits	S1	I	AL
Introduction to Language Studies				
Introductory experience of analysing language at the level of discourse, morphology, syntax, semantics and phonology.				
172.231	15 credits	S1	I	AL
Linguistics for Speech Therapists				
This course examines the morphology, grammar and discourse structure of spoken language with an emphasis on speech therapy				
172.232	15 credits	S1	DL	PN
Language and Society in New Zealand		S1	I	PN
A study of language and society with particular reference to New Zealand: language and social interaction, regional and social variation in language use, bilingualism and the status of minority languages.				
172.233	15 credits	S2	DL	PN
Language Learning Processes		S2	I	AL
An introduction to approaches and theories in applied linguistics with particular focus on language learning processes.				
172.234	15 credits	S2	I	AL
Phonetics				
A study of the sounds of language and an introduction to the acoustic analysis of speech.				
172.235	15 credits	S1	DL	PN
Linguistic Analysis		S1	I	PN
An introduction to the analysis of the structural properties of human language at all levels of linguistic enquiry. Data for analysis will be from English and other languages.				
172.236	15 credits	S2	DL	PN
Forensic Linguistics		S2	I	PN
An introduction to the study of forensic linguistics, the application of linguistics to forensic purposes, including speaker and authorship identification, issues of trademark infringement and product liability, and language use in the courtroom.				
172.237	15 credits	S1	DL	PN
Language, Discourse and Power		S1	I	PN
This paper provides an introduction to critical discourse analysis and explores how positions and attitudes are mediated through language, analysing language use in contexts such as the work place and organisations, racist discourse and the tensions and practices within intercultural and intergenerational communication.				

Sem	Mode	Loc	Credits	Description
172.239		S2 DL PN	15 credits	Language and Culture The paper demonstrates the co-dependent relationship between language and culture through a study of various elements of language, language use and language acquisition in a wide range of cultural contexts.
172.330		* * *	15 credits	Sounds and Structures This paper introduces theoretical approaches to phonology, the study of sound systems and syntactic/grammatical structures and their interfaces.
172.334		S2 DL AL	15 credits	Field Methods A study of techniques used in the elicitation of linguistic data from speakers involving interviews with one or more speakers of a language other than English.
172.335		S2 DL AL	15 credits	Language and Identity A study of how language is used to show aspects of identity relevant to particular social interactions, including, age, gender, ethnicity and sexuality. This paper examines the way individuals may have membership in multiple communities and may juggle the identities they present.
172.336		S1 DL AL	15 credits	Languages of the Pacific This paper explores the language situation in the Pacific and the formal elements of the three major language subgroups spoken there. It examines the relationship between language and society and the linguistic consequences of the encounter between Pacific peoples and speakers of non-Pacific languages.
172.337		* * *	15 credits	Historical and Comparative Linguistics A study of language change and language relationships. The paper examines motivation for language change, types of language change, methods for reconstructing earlier forms of a language, language change arising out of language contact, and historical linguistics and prehistory.
172.338		S1 DL PN	15 credits	Language and Mediated Communication in a Transcultural World This paper examines one-to-many communication in the Web and mediated contexts. The course examines globalised and transcultural communication from a number of perspectives in the institutional media. The course also analyses the dialogic nature of personal one-to-many productions online.
172.712		S2 DL PN	30 credits	Multimodal Discourse Analysis This paper examines communication as a multimodal phenomenon, assessing space and time as key variables in the production of written and spoken utterances.
172.713		* * *	30 credits	Language and Communication in Late Modernity This paper examines the linguistic construction of some key themes that have emerged in late modernity such as globalising panic, emotions and the imperative to feel, the discursive construction of the body, discourse and the late modernity.
172.799		S1 DL PN	30 credits	Research Report The supervised undertaking of an original piece of research into discourse and communication from a linguistic perspective.
172.800		DS DL PN	120 credits	MPhil Thesis A supervised and guided independent study resulting in a published work.
172.816		DS I AL	60 credits	MPhil Thesis 120 Credit Part 1 A supervised and guided independent study resulting in a published work.
172.817		S1 I AL	60 credits	MPhil Thesis 120 Credit Part 2 A supervised and guided independent study resulting in a published work.
172.850		DS DL PN	120 credits	Thesis The supervised undertaking of an original piece of research into discourse and communication from a linguistics perspective.

Sem	Mode	Loc	Credits	Description
172.851		DS DL PN	60 credits	Thesis 120 Credit Part 1 The supervised undertaking of an original piece of research into discourse and communication from a linguistics perspective.
172.852		S1 DL PN	60 credits	Thesis 120 Credit Part 2 The supervised undertaking of an original piece of research into discourse and communication from a linguistics perspective.
172.899		DS DL PN	120 credits	Thesis
172.900		DS I AL	120 credits	PhD Linguistics

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PSYCHOLOGY

175.101		S1 I AL	15 credits	Psychology as a Social Science An introduction to psychology as the scientific study of human behaviour, with emphasis on individual differences and social influences. The paper aims to develop an awareness of the issues, terminology, methods and techniques involved in the study of human behaviour.
175.102		S1 DL WL	15 credits	Psychology as a Natural Science An introduction to methods and findings from the scientific study of psychology and its application to everyday human behaviour. Examination of basic behavioural, perceptual and cognitive processes and how these are influenced by biological mechanisms and cultural context.
175.201		S1 DL WL	15 credits	Social Psychology A survey of contemporary experimental social psychology. Against this backdrop critical perspectives are introduced with particular emphasis on the practice of discursive psychology in the New Zealand context.
175.203		S1 DL PN	15 credits	Introduction to Psychological Research An introduction to methods commonly used in psychological research to define problems, measure psychological phenomena, choose designs, analyse and interpret data and communicate research information.
175.205		S1 I AL	15 credits	Brain and Behaviour An introduction to the structure and functioning of the human brain and its relationship to behaviour. Emphasis is given to brain processes that underlie the class of behaviours of special interest to psychology (e.g. sensory and motor systems, emotions, feeling and pain, consciousness, rhythms of the brain, and the malfunctioning mind).
175.206		S1 I AL	15 credits	Memory and Cognition The central goal of the paper is to consider how knowledge is represented and processed in the brain. Students will be introduced to the mental processes involved in thinking and knowing, studied within a converging methods framework that includes evidence from experimental psychology, neuroscience, neuropsychology, and cognitive science.
175.210		S2 DL PN	15 credits	Nga Tirohanga Rua o te Taha Hinengaro: Bicultural Perspectives in Psychology This paper examines Māori worldviews within the context of psychology in Aotearoa/New Zealand. Māori psychological theories provide valuable insights into an understanding of well being, spirituality, and familial relationships. Students are given guidance on how to competently implement this knowledge to encourage biculturalism in psychological practice, teaching, and research.
175.301		S1 DL PN	15 credits	Community Psychology Community psychology focuses on people within the contexts of social settings and systems, that is, in ecological relationships with social and physical environments. Conceptual frameworks, the roles of research and practice, and specific intervention strategies developed and used by community psychologists will be among topics considered.

175.302	15 credits	S1	I	AL
Abnormal and Therapeutic Psychology		S1	I	PN
This paper provides an introduction to abnormal psychology, with an emphasis on current thinking and research in the field. The paper examines the core concepts in defining and classifying abnormality, some of the major psychological disorders across the lifespan, and empirically supported approaches to explaining and treating these disorders.				
175.303	15 credits	S1	I	AL
The Practice of Psychological Research		S1	I	PN
Study of the practice of psychological research. Students undertake a range of exercises and class projects to develop practical research skills.				
175.306	15 credits	S2	DL	PN
Assessment of Individual Differences		S2	I	AL
Study of the basic concepts of psychological testing within the broad context of the assessment of individual and group differences. Examination of the rationale behind testing and its application to a wide range of assessment situations.				
175.309	15 credits	S2	DL	PN
Forensic Psychology				
The focus of this paper is to study the issues and controversies in contemporary relationships between psychology and law. The diversity of the field of forensic practice is reflected in the topics covered, and the themes of violence and justice are used to represent the multidisciplinary influences at the nexus of psychology and law within mental health and legal systems.				
175.311	15 credits	S1	DL	PN
Psychology of Women				
A theory and research-based examination of psychological issues that concern women. The issues are viewed from four contemporary theoretical perspectives and include psychological differences among women and life events that occur exclusively for women. The history of women in psychology and research methodologies suitable for use with women and girls will also be examined.				
175.316	15 credits	S1	DL	PN
Evolution, Culture and Mind				
This paper provides an overview of human behaviour from an evolutionary perspective. The first part considers the biological and evolutionary bases of human behaviour and the emerging field of evolutionary psychology. The second part deals historically and critically with a number of central theories of learning. The third part considers the cultural elaboration of symbol systems as cognitive amplifiers that mediate modern human behaviour.				
175.317	15 credits	S2	DL	WL
Health Psychology				
This paper consists of an introduction to and critique of general theories and models that have been used to understand, describe, predict and change behaviours related to health and illness and health promotion. It has a strong focus on the application of health psychology in the New Zealand context.				
175.318	15 credits	DS	I	PN
Experimental Psychology				
An examination of cognitive, neuropsychological, and electrophysiological techniques of experimental psychology through a hands-on approach.				
175.343	15 credits	S1	I	AL
Personnel Psychology and Career Development		S2	DL	PN
Study of applied aspects of individual differences in organisations. Issues such as selection and training, performance evaluation, occupational health and vocational and career development will be studied.				
175.345	15 credits	S1	DL	PN
Organisational Psychology		S1	I	PN
An introduction to key concepts within organisational psychology, concentrating on the interplay between theoretical issues and practical concerns. Students will be enabled to critically evaluate the implications which different psychological perspectives have for understanding organisational problems.				
175.705	15 credits	*	*	*
Applied Behaviour Analysis				
This paper examines basic principles for analysing individual human behaviour in applied settings and how they are used to effect behaviour change in these settings. Related philosophical and ethical issues will also be considered.				
175.718	15 credits	S2	B1	PN
Postmodernism and Psychology				
The paper will focus on some of the ways in which the cultural phenomenon labelled as 'postmodernism' has impacted on/in psychology, with particular emphasis on the poststructuralist theories through which postmodern psychology is developing.				
175.719	15 credits	S2	B1	AL
Applied Criminal Psychology				
An advanced study of the aetiology of recurrent criminal behaviour with reference to cultural and ethnicity issues, familial and societal factors, and cognitive and				

psychopathological correlates. The underlying emphasis of the paper is offender rehabilitation.

175.720	15 credits	S1	B1	PN
Advanced Psychology of Women				
This paper examines contemporary theoretical studies in the psychology of women. It is an advanced study of the history of women in psychology and critiques traditional approaches to research on women and girls. It includes three contemporary approaches focusing on specific areas of concern in the sub-discipline at present.				
175.721	15 credits	S1	B1	AL
Child and Family Therapy		S1	B1	PN
The paper covers a variety of theoretical frameworks which are used in working with children and families. An in-depth case study approach will be used to develop students' skills in working with children and families. The paper is designed to build on the students prior knowledge of developmental and abnormal psychology.				
175.722	15 credits	S2	B1	AL
Principles of Clinical Neuropsychology		S2	B1	WL
This paper will focus on the principles of neuropsychological assessment, as they apply across the life span. Factors which influence neuropsychological functioning will be considered including neuroanatomy, cognitive functioning and the conditions that influence these factors.				
175.725	30 credits	S1	B1	WL
Advanced Social Psychology				
'Identity, emotions, prejudice and attitudes are not things hiding in the person which the psychologist can 'discover' but are created by the language which is used to describe them.' This paper introduces students to discursive psychology in the context of social psychology. The 'turn to language' challenges previous notions of reality, truth, knowledge, objectivity and research methodology. Equal emphasis is placed on understanding both theory and practice.				
175.729	15 credits	S2	B1	PN
Psychology and Culture				
This paper examines the wide-ranging influence culture has in people's lives, from their ideological beliefs and values to their behaviour patterns. How cultural influences have been considered in the theory, research, and practice of psychology will be examined.				
175.730	15 credits	S2	B1	WL
Professional Practice in Psychology				
The paper provides an in-depth examination of the professional issues that impact on the practice of psychology. Models of practice, ethics, the statutes that affect practitioners, professional interrelationships and cultural issues are all analysed using a case-based approach.				
175.732	15 credits	S2	B1	AL
Psychological Well-being in Organisations				
This paper examines the influence of organisational and work characteristics on staff well-being and performance. It covers stress and stress management, designing salutogenic workplaces, implications of disaster and crises for staff, families and communities, psychological aspects of promoting health and safety in organisations.				
175.733	15 credits	S2	B1	AL
Culture at Work				
This paper examines the implications of groups in organisations. It covers group development, groups dynamics, social identity processes, team formation and coordination, social and psychological diversity, psychological models of individual and group change processes, and cognitive and affective aspects of innovation in organisations.				
175.734	15 credits	S2	B1	WL
Child Clinical Neuropsychology				
This paper is designed to enable students to understand and use theories, research and skills involved in child neuropsychology. An emphasis will be placed on functioning in interdisciplinary teams.				
175.737	15 credits	*	*	*
Occupational Psychology				
This paper examines the relationship between people and organisations. Adopting a psychological perspective, it examines strategic aspects of staff development, job, social and cognitive approaches to task and role analysis, recruitment, selection, the training process, equal employment opportunities, industrial relations and performance assessment.				
175.738	15 credits	S1	B1	AL
Psychological Research: Principles of Design		S1	B1	PN
A critical examination of a wide range of research design strategies used in contemporary psychology. Underlying assumptions of quantitative and qualitative paradigms and their implications for such issues as data collection, sampling and research ethics are explored.				

175.739	15 credits	S2 B1 WL
Health Psychology: Understanding Health and Illness		
An examination of how psychological factors enhance physical health or increase the risk of illness and disease. Theoretical and methodological aspects of etiology are given particular emphasis using examples from such areas as cardiovascular diseases and psychoneuroimmunology.		
175.740	15 credits	* * *
Occupational Health Psychology		
The application of psychological principles and theory to health and hazards in occupational settings. Students will learn critical skills in psychological assessment, monitoring and intervention design, appropriate for the environmental, cultural and political contexts of the New Zealand workplace.		
175.741	15 credits	S1 B1 WL
Psychological Assessment in Organisations		
This paper investigates the application of the principles and theory of psychological measurement in organisational contexts. It covers the development of psychological tests, the implications of organisational factors for latent psychological constructs, test characteristics and test evaluation, and the application of psychological tests for processes such as selection, promotion, performance appraisal.		
175.743	15 credits	S1 B1 AL
Health Psychology: The Social Context		
An examination of psychological theory and research on how social context shapes the experience of physical health and illness. An emphasis will be placed on the individual's understandings of health and experience of illness, and a critical consideration of research methods appropriate for examining these issues.		
175.744	15 credits	S1 B1 PN
Health Psychology: Promoting Health		
An analysis of psychological theories and methods as applied to health promotion and disease prevention, and consideration of their applications at group, community and population levels.		
175.746	15 credits	S2 B1 PN
Psychological Research: Multivariate Data Analysis		
An examination of how psychologists use multivariate data analysis techniques to address complex research problems. Techniques including multiple regression, factor analysis and MANOVA are explored using SPSS programs, with a particular emphasis on the relationships between analyses, research questions and design issues.		
175.747	15 credits	S2 B1 AL
The Psychology of Sport and Exercise		
The paper will examine current psychological theories and related research in the sport and exercise domain. Specifically, the focus of the paper is on how psychological factors influence involvement and performance in sport and exercise.		
175.748	15 credits	S1 B1 PN
The Psychology of Organisational Change		
This paper examines psychological aspects of organisational change. It considers societal and organisational factors driving change and models of both planned and unplanned organisational change, illustrating these issues through the use of case studies of organisational change and psychologists' accounts of their experiences as change agents.		
175.749	15 credits	S1 DL PN
Health Psychology Practicum		
Practical experience of at least 120 hours working in a community health agency under supervision. Students will participate in the design, implementation or evaluation of a health intervention, and critically reflect on their practice in relation to relevant theories and methods.		
175.751	15 credits	* * *
Neuropsychological Rehabilitation		
This paper is designed to enable students to understand and use theories, research, and skills involved in neuropsychological rehabilitation. This paper will review interventions that arise from neuropsychological evaluation. An emphasis will be placed on functioning in interdisciplinary teams.		
175.761	15 credits	S1 B1 AL
Theory and Practice of Cognitive Behaviour Therapy		
This paper provides a broad overview to the theory and practice of Cognitive Behaviour Therapy. Early research foundations and current empirical support will be examined. In addition to gaining an understanding of the generic cognitive model and its variants, practical experience in the use of basic assessment instruments and procedures for effective behavioural and cognitive intervention will be gained through demonstrations and roleplays.		
175.762	15 credits	S1 B1 AL
Cognitive Behaviour Therapy for Depression		
This paper provides an intensive and detailed presentation of the theory, empirical status, and therapeutic methods of Cognitive Behaviour Therapy specific to the assessment and clinical management of depression. Throughout the course, supervised practical experience will be gained in structuring the course of therapy		

and in the use of a variety of Cognitive Behaviour Therapy techniques including the essential skills of Socratic questioning and guided discovery.

175.763	15 credits	S2 B1 AL
Cognitive Behaviour Therapy for Anxiety Disorders		
This paper presents the specific cognitive models, current empirical support, assessment and clinical management strategies for Generalised Anxiety Disorder, Panic Disorder, Social Phobia, Obsessive Compulsive Disorder and Post-Traumatic Stress Disorder in five separate one-day modules. Supervised roleplays will provide practical experience in the use of techniques appropriate to each disorder.		
175.764	15 credits	S2 B1 AL
Cognitive Behaviour Therapy for Chronic and Complex Disorders		
This paper will cover specific cognitive models, empirical status, assessment and clinical strategies useful in the treatment of chronic and complex disorders including personality disorders, psychotic disorders, pain management, eating disorders and the management of complex clinical problems. Demonstrations and supervised roleplays will provide practical experience in the use of relevant cognitive and behavioural techniques.		
175.765	60 credits	DS I AL
Cognitive Behaviour Therapy Clinical Practicum		
The clinical practicum is a core component in Cognitive Behaviour Therapy training. It is designed to provide close and intensive supervision of clinical casework in Cognitive Behaviour Therapy over the course of the academic year. It consists of weekly supervision around videotaped clinical sessions, formal rating of videotaped clinical sessions, and the written and oral presentation of casework. A final examination is held to assess competence in the practice of Cognitive Behaviour Therapy through the use of written and videotaped clinical vignettes.		
175.776	15 credits	* * *
On-Line Seminar in Contemporary Professional Development		
This is a participatory paper conducted through an electronic forum. Students will explore issues of the nature of therapeutic relationships, ethical considerations, and the central theoretical ideas animating the programme reflexively in a conversational format. Particular case studies and current dilemmas arising in the work of participating practitioners from the varying therapeutic schools studies in the other papers of this programme will provide a focus for articulating the practical relevance of the main academic content covered throughout the programme.		
175.778	15 credits	* * *
Principles of Social Therapy		
A consideration of the key elements and objectives of Social Therapy.		
175.781	15 credits	S1 B1 PN
Clinical Psychopathology		
In this paper students will develop the knowledge necessary to recognise the most common mental health problems that affect people throughout the lifespan, integrating a variety of theoretical frameworks. The paper is designed to build on prior knowledge of abnormal psychology.		
175.782	15 credits	S1 B1 AL
Clinical Psychology Assessment		
This paper will examine a variety of standard objective and subjective clinical assessment instruments, and their use in diagnosis and treatment across the lifespan. Topics covered include cognitive, emotional and behavioural assessment; diagnosis-specific and population-specific instruments; and diagnostic interview systems. Principles of test administration, scoring and interpretation as well as ethical issues surrounding psychological testing will also be covered.		
175.783	15 credits	S2 B1 AL
Clinical Psychology Interventions		
The paper emphasises empirically validated treatments and integration of psychotherapy research and practice across the lifespan. The course covers behavioural and cognitive-behavioural interventions, experiential and brief dynamic psychotherapies as well as other factors in therapy (e.g., the roles of therapist, client, and culture).		
175.799	30 credits	DS DL PN
Research Report (30)		
DS I AL		
DS I PN		
DS I WL		
175.800	120 credits	DS DL PN
MPhil Thesis		
A supervised and guided independent study resulting in a published work.		
175.801	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 1		
S2 I PN		
A supervised and guided independent study resulting in a published work.		
175.802	60 credits	S1 I PN
MPhil Thesis 120 Credit Part 2		
S2 I PN		
A supervised and guided independent study resulting in a published work.		

		Sem	Mode	Loc
175.811	30 credits	DS	B1	AL
Clinical Assessment Skills		DS	B1	PN
This is a workshop based paper that requires students to engage in learning activities across a full range of applied skills, of clinical psychology assessment across the lifespan, including interview skills, skills in case conceptualisation and psychological formulation, and skills in the selection, administration, scoring, interpretation and reporting of psychological and neuropsychological tests. Training will also include compulsory attendance at workshops and other training opportunities as they arise.				
175.812	30 credits	DS	B1	AL
Clinical Intervention Skills		DS	B1	PN
This is a workshop based paper that requires students to engage in learning activities across a full range of applied skills, of clinical psychology interventions across the lifespan, including behavioural and cognitive behavioural interventions, family and systems approaches and neurorehabilitation interventions. Training will also include compulsory attendance at workshops and other training opportunities as they arise.				
175.813	60 credits	DS	I	AL
Clinical Psychology Practica		DS	I	PN
Provides structured supervision of the student's clinical activities. It includes observation of the work of clinical psychologists, supervised practice of designated clinical psychology skills, and exploration of individualised psychotherapy approaches and formal treatment protocols in a selected domain of practice. And provides opportunities for supervised practice of all the professional activities of a clinical psychologist, including working in professional teams, conducting assessments under supervision, and using the empirical literature to guide clinical decision making.				
175.814	120 credits	DS	I	AL
Clinical Psychology Internship		DS	I	PN
Supervised experience in all aspects of clinical psychology service delivery in a professional service setting, with increasing emphasis on independent ability to offer specialised assessment and treatment programmes to a diversity of clients in a safe, culturally appropriate, and ethical manner. The internship comprises a minimum of fifteen hundred hours of supervised direct clinical experience in an approved setting. The internship involves supervision, videotaped assessment of work with clients, seminars and workshops designed to deal with specialised clinical issues such as client safety, legal concerns, sophisticated diagnostic methods, bicultural practice and so on, culminating in a practical-oriented exam involving external examiners.				
175.821	60 credits	DS	DL	PN
Professional Issues in the Practice of Industrial/Organisational Psychology		DS	I	AL
This paper requires students to review six key topics in the professional practice of I/O psychology, and to write up these reviews into a professionally formatted report. Topics are tailored to each student's work and career path.				
175.822	60 credits	DS	DL	PN
Practicum in Industrial/Organisational Psychology		DS	I	AL
This paper provides supervision of the student's I/O psychology activities in the workplace throughout the course of the academic period of study. It includes regular supervised I/O practice, and the written and oral presentation of everyday I/O practices in the workplace via reports, email contact and workplace visits, and a final examination that addresses these.				
175.832	15 credits	*	*	*
Advanced Clinical Psychology				
Provides an opportunity to gain additional specialisation in an area of student choice in such topics as child and family mental health, forensic/correctional psychology, neuropsychology, health psychology or cognitive behaviour therapy.				
175.834	15 credits	*	*	*
Advanced Clinical Practice in Psychology				
Provides detailed exposure to the scientist-practitioner model of clinical psychology with diverse client groups, including emphasis on culturally appropriate practices, ethics and professional implications of the Treaty of Waitangi.				
175.841	48 credits	*	*	*
Clinical Case Studies				
Six case-studies based on both research and clinical psychology practice completed during the enrolment in the Postgraduate Diploma in Clinical Psychology.				
175.842	36 credits	*	*	*
Internship Work				
An internship where the student engages in supervised practice and training during their enrolment in the Postgraduate Diploma in Clinical Psychology.				
175.843	36 credits	*	*	*
Practical/Oral Exam				
The culmination of the Postgraduate Diploma in Clinical Psychology: the suitability of the student to practice independently is assessed.				

		Sem	Mode	Loc
175.851	30 credits	S1	B1	PN
Advanced Professional Issues in Psychological Practice Part I				
Part I of a traineeship year which focuses on supervised professional practice.				
175.852	30 credits	S2	B1	PN
Advanced Professional Issues in Psychological Practice Part II				
Part II of a traineeship year which focuses on supervised professional practice.				
175.853	30 credits	S1	DL	PN
Practicum in Psychological Practice Part I		S1	I	AL
Part I of a traineeship year which provides for supervision of the student's psychological activities in professional practice.				
175.854	30 credits	S2	DL	PN
Practicum in Psychological Practice Part II		S2	I	AL
Part II of a traineeship year which provides for supervision of the student's psychological activities in professional practice				
175.873	60 credits	S1	DL	PN
Research Report Psychology (60)		DS	DL	PN
		S2	DL	PN
175.892	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
175.893	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
175.894	60 credits	DS	DL	PN
Thesis 120 Credit Part 1		DS	I	AL
A supervised and guided independent study resulting in a published work.				
		DS	I	PN
		DS	I	WL
		S2	I	AL
		S2	I	PN
		S2	I	WL
175.895	30 credits	*	*	*
Thesis Part I (30)				
175.896	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		S1	I	AL
A supervised and guided independent study resulting in a published work.				
		S1	I	PN
		S1	I	WL
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		DS	I	WL
175.898	90 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
175.899	120 credits	DS	DL	PN
Thesis		DS	I	AL
A supervised and guided independent study resulting in a published work.				
		DS	I	PN
		DS	I	WL
175.900	120 credits	DS	I	AL
PhD Psychology		DS	I	PN
		DS	I	WL
175.920	15 credits	DS	I	AL
Clinical Psychology Practicum A		DS	I	PN
Provides structured supervision of the student's clinical activities in the workplace to fulfil clinical psychology practicum requirements. It included observation of the work of clinical psychologists, supervised practice of designated clinical psychology skills, and exploration of individualised psychotherapy approaches and formal treatment protocols in a selected domain of practice.				
175.921	15 credits	DS	I	AL
Clinical Psychology Practicum B		DS	I	PN
Provides further supervision of the student's clinical activities in the workplace to fulfil clinical psychology practicum requirements. It includes supervised practice of all the professional activities of a clinical psychologist, including working in professional teams, conducting assessments under supervision, and using the empirical literature to guide clinical decision making.				
175.922	60 credits	DS	I	AL
Clinical Psychology Internship		DS	I	PN
Supervised experience in all aspects of clinical psychology service delivery in a professional service setting, with increasing emphasis on independent ability to offer specialised assessment and treatment programmes to a diversity of clients in a safe, culturally appropriate, and ethical manner.				
		DS	I	WL

		Sem	Mode	Loc
175.935	15 credits	DS	I	AL
Skills in Clinical Assessment		DS	I	PN
Provides advanced training in applied skills of clinical psychology assessment across the lifespan, including interview skills, skills in case conceptualisation and psychological formulation, and skills in the selection, administration, scoring, interpretation and reporting of psychological and neuropsychological tests.				
175.936	15 credits	DS	I	AL
Skills in Clinical Interventions		DS	I	PN
Provides advanced training in applied skills of clinical psychology interventions across the lifespan, including behavioural and cognitive behavioural interventions, family and systems approaches, and neurorehabilitation interventions.				
175.991	90 credits	DS	I	AL
Thesis Part A		DS	I	PN
Thesis research builds the student's ability to carry out independent scientific inquiry which represents a significant contribution to knowledge and understanding in clinical psychology. In the initial stages of thesis preparation, students participate in a group seminar to review a number of specialised methodological issues that exist within clinical psychology.				
175.992	90 credits	DS	I	AL
Thesis Part B		DS	I	PN
Supports continued research activities, normally involving selecting and testing participants; other data collection strategies as needed by the research design; statistical analysis of data, conceptualisation of the findings, and the development of tentative conclusions.				
175.993	60 credits	S1	I	AL
Thesis Part C		S1	I	PN
Integrates the student's emerging ability to carry out independent research of direct relevance to conceptual foundations of clinical psychology. The candidate integrates the major study with clinical follow-up study or studies of a practical nature, derived from the concurrent internship experiences.				

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SOCIOLOGY

176.101	15 credits	S1	DL	PN
The Sociological Imagination		S1	I	AL
A foundation paper in Sociology covering the key substantive aspects of contemporary society e.g. individual and social processes, globalization and social inequalities.				
176.102	15 credits	S2	DL	AL
New Zealand Society		S2	I	AL
An introduction to understanding social life in Aotearoa/New Zealand through the sociological investigation of selected historical and contemporary issues. In particular, social inequalities and their impact on inter-group relations and individual life chances will be explored.				
176.104	15 credits	*	*	*
Identity and Culture in New Zealand				
An historical and sociological introduction to the social identity, history and contemporary issues of Aotearoa/New Zealand, including patterns of settlement, demography, gender, social structure and cultural identity.				
176.203	15 credits	*	*	*
Development and Social Change: Central Themes				
An introduction to the history of development theories including modernisation, dependency and world systems. The course uses Pacific case studies to explore how 'development orthodoxies' defined 'problems' and 'solutions' in ways which compromised societies' social, economic, and environmental viability.				
176.204	15 credits	*	*	*
Small Groups				
An exploration of the behaviours that are involved in small groups of people who share some common purpose. The latest theory and research is combined with case studies of actual group behaviours to investigate the dynamic processes that occur in small groups at work, domestically, socially or recreationally.				
176.205	15 credits	S2	DL	PN
Animals and Human Societies		S2	I	PN
An exploration of relationships between animals and human societies historically and contemporarily. The paper will consider ways in which social, political, economic and cultural relationships, institutions and dynamics have shaped and have been shaped by the human - animal configuration.				

		Sem	Mode	Loc
176.206	15 credits	S1	DL	PN
Understanding Social Life		S1	I	AL
An introduction to the philosophy of social science as it informs contemporary social scientific knowledge practices, particularly the social research process. In addition to introducing a range of methodologies, the paper also surveys the socio-political context of social research.				
176.207	15 credits	S1	I	AL
Family, Intimacy and Domestic Life				
Sociological analyses of personal and familial relationships, focussing on both classical and contemporary accounts of intimate and domestic life. Topics covered may include family formation, parenting, intimate relationships, 'dating' and friendship. Particular attention is given to historical and contemporary examples in Aotearoa/New Zealand.				
176.216	15 credits	S2	DL	PN
Understanding Globalisation		S2	I	PN
This paper examines the complexity of globalisation through a range of images that sociologists use to understand contemporary global change such as the network society, the knowledge society, the consumer society, the risk society, the fundamentalist society. It also explores how these images are played out within local contexts and personal experiences.				
176.218	15 credits	*	*	*
Race, Nation and Modernity				
A review of the development of ideas of race and nation from the early modern era in Europe through to their world-wide crisis of the twentieth century. The arrival of ideas about race and nation in colonial Aotearoa New Zealand is outlined. Contemporary attempts to move beyond race, via the concepts of ethnicity and indigeneity, are detailed with an emphasis on this country's cultural politics.				
176.219	15 credits	*	*	*
The Transformation of the Pacific: Central Themes				
The course will explore social and economic forces which have transformed the social and economic organisation of Pacific societies since 1500; the responses of Pacific societies to these forces, and the ways these have shaped the contemporary condition of the region.				
176.221	15 credits	*	*	*
Ethnicity and Identity: Central Themes				
The paper explores theories from biology, psychology and economics which have been used to explain the origins and extraordinary resilience of ethnicity in societies. It focuses on sociological models which represent ethnicity as a dynamic phenomenon, and examines the processes of ethnic identity acquisition and transformation, and the social, economic, and political consequences of ethnicity for individuals, groups and states.				
176.222	15 credits	S2	I	AL
Cities in the Twenty-first Century				
This paper identifies and theorises the sociological issues and complexities associated with contemporary cities. It traverses the development of modern cities and city forms, examines various experiences and theorisations of city life and critically explores the concept of urban sustainability, with particular emphasis on social sustainability and urban housing.				
176.301	15 credits	S1	DL	PN
The Sociological Project		S1	I	PN
An overview of the key schools of thought that make up the sociological project, demonstrating how these schools inform both the questions sociologists ask of social life and the contending answers they give.				
176.302	15 credits	S2	DL	PN
Techniques of Social Investigation		S2	I	PN
An examination of methods of sociological research which will focus on the selection and formulation of research questions, and the collection and interpretation of data. The practical aspects of qualitative sociological research will be emphasised and students will be required to design and carry out assigned research exercises.				
176.303	15 credits	*	*	*
Making the Nation				
An examination of the discourses and politics of nationhood, with particular reference to Aotearoa New Zealand. The paper focuses on the themes and content of nationalist discourses - what 'makes up' the nation and the national people. Major themes are national histories, traditions, geography, sport and war, gender, ethnicity, the impact of colonisation and the possibilities of a multicultural national future.				
176.308	15 credits	S2	DL	PN
Sociology of the Environment		S2	I	PN
An advanced examination of the interconnections between society and the environment with a particular emphasis on the roles of science and politics in the creation of environmental knowledge and practice.				

176.309	15 credits	* * *
Development and Social Change: Contemporary Issues		
Development theory from the Washington Consensus to the present. Analysis of major issues including the funding of development; shifts from structural adjustment to poverty alleviation; alternative development models. Case studies will be drawn from the Pacific region.		
176.310	15 credits	S1 I AL
Ethnicity and Ethnic Identity: Contemporary Issues		
An examination of factors driving contemporary trends in ethnic identity and ethnic relations. The course explores the ways in which the lives of individuals and societies are being reshaped by forces such as migration, intermarriage, mass media, new communication technologies, redistribution of global wealth, and politicisation of ethnicity.		
176.316	15 credits	* * *
Understanding Globalisation in Depth		
This paper examines at an advanced level the complexity of globalisation through a range of images that sociologists use to understand contemporary global change such as the network society, the knowledge society, the consumer society, the risk society, the fundamentalist society. It also explores how these images are played out within local contexts and personal experiences.		
176.318	15 credits	S1 DL PN
Sociology of Death and Dying		
A grounding in the literature on death and dying and an examination of sociological analyses of dying and death. The paper is intended for Sociology and other students.		
176.322	15 credits	S2 I AL
The World of Work: Contemporary Issues		
This paper provides an in-depth exploration of the changed nature of work in contemporary society. It examines the broader context of change, contemporary forms and patterns of work and occupations and issues and perspectives on global and local labour markets.		
176.323	15 credits	* * *
The Transformation of the Pacific: Contemporary Issues		
An examination of social, political and economic forces which have transformed the social and economic organisation of Pacific societies since World War II. The paper explores how these forces have defined contemporary regional issues, and the responses of Pacific governments and societies to them.		
176.701	30 credits	S1 DL AL
Current Issues and Theories		
An examination of key concepts, theories and debates in contemporary social theory.		
176.702	30 credits	S1 DL PN
Advanced Social Inquiry		
An advanced study of methodological issues pertinent to social research. The paper is designed to assist the planning of postgraduate theses and reports.		
176.711	30 credits	* * *
Sociology of Underdevelopment		
Socio-economic conditions in developing countries. Theories of development and underdevelopment: origins, critique and ideological and strategic implications. Sociological aspects of social change, for example, class, ethnicity, gender, debt, globalisation and the environment. Examples emphasise South-East Asia.		
176.715	30 credits	* * *
Culture and New Zealand Society		
This is a research paper on the sociology of the New Zealand arts, intended primarily for students who have already completed an undergraduate paper on the subject. Their work will involve designing, researching and writing a paper on a topic of their own choosing.		
176.718	30 credits	S2 DL PN
Environmental Sociology		
An exploration of the interrelations between society and the environment, with an examination of major contemporary environmental issues from a sociological point of view. Among the major issues covered are consumerism, population growth, resource limits, development, political conflicts, environmental groups and environmental values.		
176.798	60 credits	* * *
Research Report (60)		
176.799	30 credits	DS DL PN
Research Report (30)		
DS I AL		
DS I PN		
176.800	120 credits	DS DL PN
MPhil Thesis		
A supervised and guided independent study resulting in a published work		
DS I AL		
DS I PN		

176.801	60 credits	DS DL PN
MPhil Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
176.802	60 credits	S1 I AL
MPhil Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
176.816	60 credits	S1 DL PN
Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
S1 I AL		
S1 I PN		
DS DL PN		
DS I AL		
DS I PN		
S2 DL PN		
S2 I AL		
S2 I PN		
S1 DL PN		
176.817		
Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
S1 I AL		
S1 I PN		
DS DL PN		
DS I AL		
DS I PN		
S2 DL PN		
S2 I AL		
S2 I PN		
SS DL AL		
SS I AL		
176.873	60 credits	S1 DL PN
Research Report Sociology (60)		
S1 I AL		
S1 I PN		
DS DL PN		
S2 DL PN		
S2 I AL		
S2 I PN		
SS DL PN		
SS I AL		
SS I PN		
176.881	45 credits	S1 DL PN
Thesis 90 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
S1 I PN		
DS DL PN		
S2 DL PN		
S2 I AL		
S2 I PN		
176.882	45 credits	S2 DL PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
S2 I AL		
S2 I PN		
SS DL PN		
SS I AL		
SS I PN		
176.883	90 credits	* * *
Thesis		
A supervised and guided independent study resulting in a published work.		
176.899	120 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
DS I AL		
DS I PN		
176.900	120 credits	DS I AL
PhD Sociology		
DS I PN		

177

MIDWIFERY

177.900	120 credits	DS I PN
PhD Midwifery		

178

ECONOMICS

178.100 15 credits S1 DL PN**Principles of Macroeconomics**

Introduces the principles of macroeconomics. The paper provides students with an understanding of economic activities at the level of industry, country, and internationally.

S1 DL SP
S1 I AL
S1 I PN
SS DL PN
SS DL SP**178.110** 15 credits * * ***The New Zealand Economy**

An introduction to the development and structure of the economy of New Zealand, with emphasis on actual issues and policies. International influences from a New Zealand perspective.

178.200 15 credits S2 DL PN**Intermediate Macroeconomics**

An examination of macroeconomic theories and policies of a market economy in both the closed and open economy contexts.

S2 I AL
S2 I PN**178.201** 15 credits S1 DL PN**Intermediate Microeconomics**

Intermediate level study of microeconomic analysis, including the development of theoretical models of consumer and producer optimisation. The perfectly competitive model is extended to incorporate differing market characteristics and associated consumer and producer behaviour.

S1 I AL
S1 I PN**178.210** 15 credits * * ***Economic Policy**

Macroeconomic and microeconomic policies and problems of unemployment, inflation, balance of payments, growth, market distortions and public goods. Justification for government intervention and its effectiveness. Application of economic principles will be stressed and social considerations incorporate emphasis on the New Zealand experience.

178.221 15 credits S1 DL PN**Methods of Economic Analysis**

An introduction to the techniques of quantitative economic analysis. The use of linear algebra and calculus in economics. Constrained optimisation. Simple dynamics.

S1 I AL
S1 I PN**178.240** 15 credits * * ***Managerial Economics**

Economic principles applied to decision problems of managers in a business organisation. Analysis of costs, revenues and profits in relation to a firm's objectives. Emphasis on pricing policy, investment decisions, advertising and promotion expenditure.

178.242 15 credits S1 DL PN**Land Economics**

The treatment of land resource questions in economics, including changing theoretical approaches to land and the income from the land, factors influencing the behaviour of land markets, environmental economics and land use, specific models of land use patterns, the question of the efficient use of land resources, estimating changing land use requirements, taxation in relation to land markets, location decision.

S2 DL PN

178.250 15 credits S1 DL AL**Contemporary Economic Issues**

A study of selected economic and socio-economic topics in a contemporary framework.

S1 I AL

178.261 15 credits * * ***Agro-food Markets**

Agricultural supply and demand analysis. Structure-conduct-performance relationships in agricultural markets. Coordination within agro-food distribution channels; the role of producer boards. Policy interventions in agricultural markets. Introduction to international agricultural and horticultural trade.

178.264 15 credits * * ***Agro-food Trade Policies**

An introduction to the development of farm and trade policies in New Zealand, the European Union, the United States and selected Asian countries. Discussion of recent reforms of farm and trade policies and their impacts on world markets and prices and New Zealand agriculture. The WTO and agricultural trade liberalisation. Introduction to trade policy and issues of food safety and animal welfare.

178.280 15 credits S2 DL PN**Introduction to Econometrics**

An introduction to the techniques of quantitative analysis in finance and economics. Applications of these techniques will cover a broad range of topics. Appropriate software packages will be utilised.

S2 I AL
S2 I PN**178.300** 15 credits S2 DL PN**Advanced Macroeconomics**

Topics cover major macroeconomic theories and their policy implications using more advanced techniques.

S2 I AL
S2 I PN**178.301** 15 credits S1 DL PN**Advanced Microeconomics**

Using advanced techniques, including mathematical analysis, models are developed to explain the behaviour of individual economic agents in competitive and other types of markets.

S1 I AL
S1 I PN**178.307** 15 credits * * ***Markets, Firms and Consumers**

Microeconomic analysis will be applied to problems in consumer behaviour, business strategies and investment choice, resource allocation and regulation.

178.308 15 credits * * ***Economic Analysis of Money, Banking and Financial Markets**

This paper analyses the causes, characteristics and consequences of business cycles. A neo-classical framework is applied to situations commonly seen in small open economies such as New Zealand. The role and importance of financial markets is highlighted and used to prescribe optimal government policy in many frequently observed macroeconomic situations.

178.328 15 credits * * ***Project Evaluation**

Theoretical and empirical aspects of economics (benefit-cost analysis) and financial project evaluation. Consumption/investment decisions; discounted cash-flow techniques; cost of capital financing; risk and uncertainty; and shadow pricing for economic policy. Emphasis is on practical applications, using microcomputers, to projects and investments in developed and developing countries.

178.350 15 credits S1 DL PN**International Economics**

The 'pure theory' of international trade as an explanation of observed trade flows; the implications of free trade for national output and welfare; departures from the competitive model; the theory and practice of commercial policy; multilateral and regional trade liberalisation; New Zealand and the global trading environment.

S1 I PN

178.357 15 credits * * ***Analysis of Agricultural and Trade Policy**

Application of economic tools to the analysis of agricultural and trade policies. Quantitative assessment of the impacts of policy reforms at the producer and the consumer level. Political economy of food trade and the role of international institutions. Environmental issues of agricultural trade. Measuring the impacts of trade reforms on New Zealand agriculture. Practical analyses using simple computer-based trade models.

178.358 15 credits S1 DL PN**International Trade in Agri-food Products**

Agri-food trade today. Gains from trade and barriers to trade. Agri-food trade policies in the EU, USA and selected Asian countries. The WTO and agri-food trade liberalisation. Measuring the impacts of trade liberalisation on developed and developing economies. Macroeconomics of agri-food trade. Linkages between agriculture, trade and environment.

S1 I PN

178.360 15 credits S2 DL PN**Natural Resource and Environmental Economics**

An introduction to the application of economic analysis to environmental and natural resource management issues and policies.

S2 I PN
SS B1 AL**178.370** 15 credits S1 I AL**Development Economics**

An examination of major development problems and issues, both domestic and international, from a combined theoretical, empirical and policy-oriented perspective.

S2 DL PN
S2 I PN**178.380** 15 credits S1 DL PN**Applied Econometrics**

Specification and estimation of econometric models for policy analysis and forecasting. Treatment of common problems encountered in economic and financial data analysis.

S1 I PN
S2 I AL**178.702** 30 credits S2 I AL**Macroeconomics**

The paper provides an advanced exposition and critical assessment of selected topics from macroeconomic theory and policy. The general focus will be on the issues of short and long term effects of macroeconomic policies on the economy. The relationship between theory and empirical research is also examined.

S2 I PN

178.703 30 credits S1 DL PN**The Theory and Practice of Economics**

This paper is a survey of developments in macroeconomic and microeconomic theory with extension into contemporary issues and practice.

S1 I AL
S2 I AL

178.712	30 credits	S2	I	AL
International Monetary Economics				
This course is concerned with the monetary and macroeconomic relationships between countries. It deals with such issues as balance-of-payments problems and policies, the functioning of foreign exchange rate markets, the determination and causes of exchange-rate movements, the international monetary system, and derivative instruments including swaps, options and futures.				
178.713	30 credits	S1	I	AL
Microeconomics				
An examination of advanced microeconomic topics. The general focus will be on issues of industrial organisation and game theory.				
178.715	30 credits	*	*	*
Applied Economics and Policy				
A study of applied economics and policy. The application of economic principles will be stressed with particular emphasis on the New Zealand experience.				
178.718	30 credits	DS	DL	WL
Health Economics				
Subject areas to be covered include microeconomics for healthcare, the economics of politics and bureaus, demand for healthcare, the supply and organisation of healthcare, hospital behaviour, moral hazard, cost-benefit analysis in health, private versus public provision of healthcare and contemporary policy issues.				
178.724	15 credits	S1	B1	AL
Applied Econometric Methods				
Computer-based specification, estimation and validation of econometric models for policy analysis and forecasting. Linear and multiplicative regression models, logit models, hazard models, cohort analysis, and time series methods are applied through computer programming and statistical packages. Also offers an in-depth discussion of the treatment of common problems encountered in empirical data analysis.				
178.732	30 credits	S1	I	AL
Advanced Econometrics				
This paper introduces students to advanced methods used in econometrics and forecasting. Topics include time-series analysis; testing and model selection; simultaneous equations; nonstationarity; vector autoregressive models; causality and exogeneity; binary choice models and panel data analysis.				
178.755	30 credits	S2	B1	PN
Economic Growth, International and Development Economics				
A critical assessment of topics from economic growth, international economics and the nature and measurement of development. There is an emphasis on the empirical and policy implications of development strategies including the relationship between managing development, role of the State, international economy, globalisation, trade theory and policy, global crises, and macroeconomic policy.				
178.757	30 credits	S2	B1	PN
Global Agri-food Markets, Trade and Policy Analysis				
An examination of policies affecting agricultural and food businesses and trade using an economic framework within a global perspective. Students will be exposed to economic analysis of agri-food policies, programmes and institutions in major global regions.				
178.762	30 credits	S2	DL	PN
Natural Resource and Environmental Economics for Non-Economists				
Economic analysis of policy management issues in the use of natural resources and the environment. Concepts and principles will be discussed and applied to resource and environmental issues concerned with, among others, fisheries, land, water, biosecurity, climate change and mining.				
178.771	15 credits	S1	B1	AL
Economics				
A study of macroeconomic and microeconomic theory in the context of a modern open economy.				
178.775	30 credits	S1	B1	PN
The Economics of Knowledge and Innovation				
An introduction to the complex process of innovation and its many dimensions in advanced and emerging knowledge-based economies. The nature of knowledge, innovation and intellectual property, the microeconomics and macroeconomics of innovation, and policy at the firm and macro levels are examined in the context of a globalised world economy that faces major economic and environmental challenges.				
178.781	15 credits	S2	I	AL
Research Project Part 1				
178.782	15 credits	S1	I	AL
Research Project Part 2				
178.788	60 credits	*	*	*
Research Project				
178.793	30 credits	*	*	*
Special Topic				

178.799	30 credits	DS	I	AL
Research Project				
178.892	45 credits	S1	I	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
178.893	45 credits	S1	I	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
178.894	60 credits	DS	DL	PN
Research Report				
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.				
178.895	90 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
178.896	60 credits	S1	DL	AL
Professional Practice				
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed.				
Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies				
178.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
178.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
178.899	120 credits	DS	I	AL
Thesis				
A supervised and guided independent study resulting in a published work.				
178.900	120 credits	DS	I	AL
PhD Economics				

179

SOCIAL WORK

179.110	15 credits	S1	DL	PN
Introducing Social and Community Work Practice				
An introduction to the personal social services with particular emphasis on social and community work practice.				
179.155	15 credits	S2	DL	PN
An Introduction to Helping Skills in Social and Community Work Practice				
An introduction to the role of self and the skills required to develop an effective helping relationship with other people, which can be applied to a variety of Social and Community Work helping contexts in Aotearoa/New Zealand.				
179.202	15 credits	S1	DL	PN
An Introduction to Social Research				
An introduction to the basic elements of research design including quantitative and qualitative methodologies, data analysis, research ethics and politics.				
179.210	15 credits	S2	DL	PN
Social Work Theories, Assessment and Interventions				
An examination of the theories and models which inform social and community work practice. Emphasis will be placed on the relevance of these models to the social services in Aotearoa/New Zealand.				
179.230	15 credits	S2	DL	PN
The Wellbeing of Pacific Peoples in New Zealand				
An examination of social policy and social service delivery issues from the perspective of Pacific cultures and communities in New Zealand. The paper will explore Pacific approaches to immigration, health, housing, justice, employment, education and social welfare needs.				
179.255	15 credits	S1	I	AL
Introduction to Field Education				
An introduction to field education through workshops, field visits and voluntary work.				

Sem	Mode	Loc	Credits	Description
179.310			15 credits	
			Integrated Practice with Groups and Families	An advanced approach to the integration of theory and practice in social work with particular emphasis on assessment and intervention in working with groups and families.
	S1	DL PN		
	S1	I AL		
	S1	I PN		
179.320			15 credits	
			Community Development	An examination of the fundamental principles and definitions of community development. Particular emphasis is placed on the theoretical frameworks which inform community work. Individual, group and community action is examined with particular emphasis on the relationship between individual and social change.
	S1	DL PN		
	S1	I AL		
	S1	I PN		
179.330			15 credits	
			Māori Development and the Social Services	Themes in contemporary Māori development (kaupapa Māori) with particular reference to the aspirations of Māori people. Emphasis will be placed on the implications of such themes for the social services as well as the development of appropriate social policies.
	S1	DL PN		
	S1	I AL		
	S1	I PN		
179.355			45 credits	
			Field Education I	A supervised field education placement of a minimum of 480 hours (60 days) in a social service setting negotiated by a Massey University staff member who is fully registered with the Social Workers Registration Board. Each placement will be supervised by a registered social worker.
	DS	B1 AL		
	S2	DL PN		
179.410			30 credits	
			Social Work Fields of Practice	An advanced study of selected fields of social and community work practice. Particular emphasis is placed on the knowledge base relevant to each field including theoretical explanations, research, practice principles, models of intervention and current issues.
	S1	DL PN		
	S1	I AL		
179.420			30 credits	
			Advanced Social Work Practice	An advanced study of selected theoretical models and clinical skills in professional practice with individuals, families, groups and communities.
	S1	DL PN		
	S1	I AL		
	S1	I PN		
179.440			15 credits	
			Management in the Social Services	An examination of current management theory and its impact on management, administrative systems and professional practice in social service agencies.
	S2	B1 AL		
	S2	DL PN		
179.455			45 credits	
			Field Education II	An advanced, supervised, field education placement of a minimum of 480 hours (60 days) in a social service setting negotiated by a Massey University staff member who is fully registered with the Social Workers Registration Board. Each placement will be supervised by a registered social worker.
	DS	B1 AL		
	S2	DL PN		
179.702			30 credits	
			Advanced Research Methods	An examination of research methods, traditions and techniques used in social and health research. The course is designed to assist the planning of Master and Doctoral theses.
	DS	DL PN		
	S2	DL PN		
179.711			30 credits	
			Special Topic	
	DS	DL PN		
179.720			30 credits	
			Spirituality and Social Work	An advanced study of spirituality and social care from a social work perspective.
	*	* *		
179.722			30 credits	
			Social Work with Migrants, Refugees and Asylum Seekers	An advanced examination of the theoretical knowledge and professional skills required in social work practice with migrants, refugees and asylum seekers. Key theoretical and practical approaches will include ecological theory, community development and strengths based social work.
	*	* *		
179.736			30 credits	
			Substance Misuse and Addictions	An advanced study of current treatment and intervention models in the substance misuse and addictions area.
	*	* *		
179.740			30 credits	
			Social Service Supervision: Theory and Practice	An examination of the functions and practice and selected theories and models of professional social service supervision.
	DS	DL PN		
179.741			30 credits	
			Social Service Management	An examination of current management theory and its application to the management, administrative systems and professional practice in social service agencies.
	DS	B1 PN		

Sem	Mode	Loc	Credits	Description
179.742			30 credits	
			Learning in Social Service Supervision	An advanced study of learning in social service supervision including identity development in both the supervisor and the person supervised.
	DS	DL PN		
179.743			30 credits	
			Clinical Supervision	An advanced study of selected theoretical models and clinical supervision skills in professional practice.
	*	* *		
179.761			30 credits	
			Current Issues and Theories in Social Service Practice	An examination of contemporary practice in the context of current trends in social service delivery. Selected fields of practice are analysed with a view to understanding the theoretical underpinnings of practice. Issues relevant to service delivery are identified, and alternative approaches to practice are explored.
	DS	DL PN		
179.763			30 credits	
			Clinical Practice	An examination of advanced contemporary approaches to practice that enable a response to clients' individual needs while concurrently taking into account the impact of relevant social contexts. The focus will be on one or two theoretical approaches in any one year.
	*	* *		
179.771			30 credits	
			Child Welfare	An examination of current social work practice in the area of child welfare. While there is a particular emphasis placed upon child welfare services, programmes and practices in Aotearoa/New Zealand, students are also encouraged to examine international literature and practice.
	DS	DL AL		
179.772			30 credits	
			Family Practice	An examination of current models of family practice. Students are encouraged to critique current theoretical perspectives and models of practice used to inform social work with families and to examine developments in New Zealand and in the international arena.
	*	* *		
179.773			30 credits	
			Disability Studies	An examination of the experience of disability, the delivery of disability support services, and the disability industry in Aotearoa/New Zealand. Major theoretical and current policy debates in the area of disability both here and overseas are examined.
	*	* *		
179.777			30 credits	
			Disability, Consumer Rights and Advocacy	A critical examination of the disability rights movement from historical, social and political perspectives. Particular attention will be paid to models of service provision and to consumers as self advocates, parents as mediators and advocates for their children.
	S2	DL PN		
179.778			30 credits	
			Mental Health and Social Work	An advanced study of the field of mental health from a social work perspective. It considers conceptual and contextual issues, intervention strategies and current debates.
	*	* *		
179.781			30 credits	
			Social and Community Work Theory and Practice I	An examination of the key components of social and community work practice utilising an integrated framework. Current theories and models for working with individuals, families and groups are discussed. Laboratories will prepare students for field work placements. Students will develop an approach to practice relevant to the Aotearoa/New Zealand context.
	DS	DL PN		
	DS	I AL		
179.782			30 credits	
			Social Policy Analysis	An examination of the development of social policy in Aotearoa/New Zealand with special emphasis on the relationship between law and government, and debates about the use of theoretical perspectives and concepts in the study of social policy.
	DS	DL PN		
	DS	I AL		
179.783			30 credits	
			Māori Development and the Social Services	Themes in contemporary Māori development (kaupapa Māori) with particular reference to the aspirations of Māori people. Emphasis will be placed on the implications of such themes for the social services as well as for the development of appropriate social policies.
	S1	B1 AL		
	DS	DL PN		
179.784			30 credits	
			Social and Community Work Theory and Practice II	An advanced study of social and community work practice through an examination of the fundamental principles of social and community work and selected fields of practice. The paper builds on previously completed studies and field work practice.
	DS	DL PN		
	DS	I AL		

179.789	30 credits	Sem DS	Mode B1	Loc AL
Field Work Practice I		DS	DL	PN
A supervised field education placement of a minimum of 480 hours (60 days) in a social service setting negotiated by a Massey University staff member who is fully registered with the Social Workers Registration Board. Each placement will be supervised by a registered social worker.				
179.790	30 credits	DS	B1	AL
Field Work Practice II		DS	DL	PN
An advanced, supervised, field education placement of a minimum of 480 hours (60 days) in a social service setting negotiated by a Massey University staff member who is fully registered with the Social Workers Registration Board. Each placement will be supervised by a registered social worker.				
179.792	15 credits	DS	DL	PN
Management in the Social Services		S2	B1	AL
A critical examination of current management and organisational theory and its impact on management, administrative systems and professional practice in social service agencies.				

179.800	120 credits	DS	DL	PN
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				

179.801	60 credits	DS	DL	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work				

179.802	60 credits	DS	DL	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

179.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				

179.817	60 credits	DS	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

179.891	15 credits	S1	B1	AL
Applied Research in Social Work		S1	DL	PN
An advanced examination of research methods, traditions and techniques used in social work and social policy to promote best practice.				

179.895	30 credits	DS	B1	AL
Research Report (30)		DS	DL	PN
An applied study with topics selected from areas relevant to social work, social policy, and/or the social services. Selected topics must be approved by the paper coordinator who will assist students in selecting, planning and managing their research.				

179.896	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				

179.897	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				

179.898	90 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				

179.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				

179.900	120 credits	DS	I	AL
PhD Social Work		DS	I	PN

180

GRADUATE SCHOOL OF EDUCATION

180.791	30 credits	*	*	*
Education Research Report				
A research investigation and report which normally does not involve new empirical work with human participants.				

Sem Mode Loc

182

TE URU MARAURAU: MĀORI AND MULTICULTURAL EDUCATION

182.001	8 credits	*	*	*
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Te Reo Tuatahi
Teacher aides who have no previous experience with Māori language will build a foundation of pronunciation and elementary conversation and will examine basic protocol.

182.002	8 credits	*	*	*
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Māori Language Teaching
Teacher aides will examine planning, teaching techniques, assessment and time management appropriate to the implementation of the school curriculum in the Māori language.

182.003	8 credits	*	*	*
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Te Reo Tuarua
Teacher aides who have some basic experience with Māori language will further develop pronunciation, grammatical knowledge and vocabulary. Whaikorero is examined in relation to protocol.

184

TE URU MARAURAU: MĀORI MULTICULTURAL EDUCATION

184.302	15 credits	*	*	*
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Intercultural Teaching
An investigative study of principles for teaching students from a range of cultures in Aotearoa/New Zealand. Effective teaching strategies will be developed through a critical examination of theory, research and practice. An integrated approach to teaching for bi- and multilingualism, teaching English to speakers of other languages (TESOL), and cross-cultural communication will be provided.

187

SOCIAL AND POLICY STUDIES IN EDUCATION

187.001	10 credits	*	*	*
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How Children Learn
Teacher aides will be introduced to some of the cognitive theories and processes of learning and ways they can apply knowledge of these to help children learn.

187.002	10 credits	*	*	*
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The Developing Child
Teacher aides will be introduced to development and to influences on development from birth to adulthood.

187.003	10 credits	*	*	*
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Language Development
An exploration of children's language learning and development and of methods for teacher aides to use when working with children.

187.004	10 credits	*	*	*
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Behaviour Management
An exploration of behaviour and of strategies for teacher aides to use to assist children and young people develop pro-social and co-operative behaviour.

187.005	8 credits	*	*	*
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Reading
An exploration of approaches used in classroom reading programmes and practical application of tutoring skills to support learning.

187.007	8 credits	*	*	*
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Library
Teacher aides will gain an understanding of library management strategies and the skills necessary to undertake work in a school/college library.

187.008	8 credits	*	*	*
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Mathematics
An introduction for teacher aides to the primary school mathematics curriculum.

187.009	8 credits	*	*	*
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Written Language
An exploration of written language programmes in schools for teacher aides.

187.010	8 credits	*	*	*
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Junior School
An introduction to the junior school for teacher aides. It includes strategies for assisting teachers across curriculum areas.

187.011	8 credits	*	*	*
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Creating Displays/Resources
An exploration of design and display ideas and techniques useful to teacher aides.

187.013	8 credits	* * *
Computer Applications		
Teacher aides explore and develop basic skills related to classroom word processor use and obtain an overview of the fundamentals of computer systems used in classrooms.		
187.014	8 credits	* * *
Social/Working Relationships		
An exploration of basic communication principles, values and attitudes, and the role of the teacher aide in relation to teachers, caregivers and children/adolescents.		
187.047	8 credits	* * *
Computer Applications in the Classroom		
An exploration of approaches to assist children's learning using computers, including interactive fiction, the Internet and applications for students with special learning needs.		
187.048	8 credits	* * *
Adapting the Curriculum for Learners with Special Educational Needs		
This paper provides teacher-aides with a basic understanding of how a learner's special educational needs can be assessed and met by means of curriculum adaptation. Emphasis is placed on teaching and evaluation strategies that involve accommodation and modification within the overall structure of the IEP process.		
187.049	8 credits	* * *
Learners with Special Educational Needs: An Introduction		
This paper provides a brief overview of Special Education. As well as introducing students to relevant terminology, history, current policy, provisions and issues, it also acquaints them with identification, assessment and teaching approaches appropriate to a wide range of special educational needs.		
187.050	8 credits	* * *
Working with Others in Special Education		
This course prepares teacher-aides to work effectively with others involved in meeting the special educational needs of learners. The role and function of a range of educational, social and health support agencies for learners with special educational needs will be examined. The role families/whanau have in working together with educational personnel, including teacher-aides, is examined. This paper offers practical suggestions on facilitating collaborative partnerships.		
187.051	8 credits	* * *
Challenging Behaviours: Positively Facilitating Behaviour Change		
This paper is designed to provide teacher-aides with practical strategies for the implementation and monitoring of teacher-designed behaviour plans. A range of behavioural plans, classroom-based systems and individual approaches to facilitating positive change in student behaviour are examined.		
187.052	8 credits	* * *
Helping Learners Develop Essential Skills		
This paper is designed to increase teachers aides' understanding of the essential skills in the New Zealand Curriculum Framework and in the strategies involved in helping learners develop these skills.		
187.080	15 credits	* * *
Study Skills		
This paper focuses on study skills including time management, note-taking, reading and research skills and exam preparation as well as learning processes appropriate for university studies.		

188

NATURAL RESOURCE MANAGEMENT

188.263	15 credits	S1 DL PN
Environmental Science I		
Integrated study of scientific and management issues associated with natural resource use and environmental quality (locally, nationally, globally). Physical, economic and institutional relationships. Options for assessing and managing natural resources and environmental quality at the landowner, regional and national level.		
188.363	15 credits	S2 DL PN
Environmental Science II		
Scientifically assessing and managing limited natural resources with a philosophy of long-term sustainable development. Atmospheric, terrestrial, aquatic and urban indicators of environmental quality. Integrated environmental impact assessments (cultural, demographic, economic, legal, social, technical) using farming, forestry, recreation, and horticulture as examples.		
188.705	15 credits	DS DL PN
Natural Resource Policy		
This paper examines the key issues and practice of natural resources policy. The roles and responsibilities of policy agencies in relation to current issues in natural resources policy research, development, implementation and monitoring		

are considered. Alternative policy approaches to achieving natural resource management outcomes are examined through selected case studies.

188.707	15 credits	DS DL PN
Introduction to Advanced Environmental Management I		
Introduction to theoretical and applied ecological economics and develop some understanding of ecosystem management as well as ecosystem service valuation. Analytical approaches and tools for environmental management, including atmospheric, terrestrial, aquatic and urban indicators of environmental quality; and integrated environmental impact assessments are studied.		
188.708	15 credits	DS DL PN
Introduction to Advanced Environmental Management II		
Introduction to environmental issues that affect New Zealand, particularly at the present time. Topics include deforestation, soil erosion, pollution of air, land and water with industrial and agricultural pollutants, and conservation. Patterns and distribution of land use types, systems and methodologies for measuring, recording, organizing and managing information about land use, and soil management within land use are studied.		
188.751	30 credits	S2 DL PN
Advanced Zero Waste for Sustainability		
An in-depth exploration of the life cycle and environmental issues of solid material resources upon which all economic production depends. Zero Waste is examined as a resource management paradigm shift in philosophy, policy, technology and practices focused on sustainable development.		
188.752	15 credits	DS I PN
Land Reclamation		
An interdisciplinary advanced study of physical and chemical characteristics of disturbed land, analytical and assessment techniques, acid generation, acid mine drainage and heavy metal distribution, bioremediation, ecosystem development on disturbed surfaces and restoration programme design and monitoring. Case studies of sites in New Zealand and overseas will be used.		
188.763	30 credits	DS DL PN
Advanced Environmental Management		
The paper is made up of three parts. It develops project and programme management skills, strengthens students' knowledge of natural resources at an advanced level, and combines these two to produce integrative skills in Resource Management.		
188.785	15 credits	DS DL PN
Special Topic		
188.786	30 credits	DS DL PN
Special Topic		
188.787	60 credits	S1 DL PN
Dissertation		
188.788	30 credits	DS DL PN
Research Report		
188.863	60 credits	S1 DL PN
Environmental Research and Data Analysis		
Students will review the theoretical foundation and recent advances in selected environmental management themes in different countries; apply research methods and selected statistical techniques to analyse and evaluate environment management projects; write a self-directed research report.		
188.885	45 credits	S1 DL PN
Thesis 90 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
188.886	45 credits	S1 DL PN
Thesis 90 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
188.887	60 credits	DS DL PN
Research Report		

188.888	90 credits	DS DL PN
Thesis		DS I PN
A supervised and guided independent study resulting in a published work.		
188.889	120 credits	DS DL PN
Thesis		DS I PN
A supervised and guided independent study resulting in a published work.		
188.897	60 credits	DS DL PN
Thesis 120 Credit Part 1		DS I PN
A supervised and guided independent study resulting in a published work.		
188.898	60 credits	S1 DL PN
Thesis 120 Credit Part 2		S1 I PN
A supervised and guided independent study resulting in a published work.		
188.900	120 credits	DS I PN
PhD Natural Resource Management		

189

SOIL SCIENCE

189.006	15 credits	* * *
Soil Productivity		
A study of the soil as a resource in farming systems. Modification of soil conditions by various agricultural practices such as fertiliser use, liming, drainage and irrigation. Maintenance of the soil through conservation practices and use of soil and land resource information.		
189.151	15 credits	S1 I PN
Soil Properties and Processes		DS DL PN
An introduction to the soil as it influences plant growth; the soil as a physical environment for plant roots; soil organic matter. The regulation of soil nutrient availability by biological and chemical processes; soil acidity and pH; the soil resources of New Zealand. A practical course based on the above.		
189.251	15 credits	S2 I PN
Soil Fertility and Fertilisers		
Soil conditions in relation to nutrient cycling in agricultural production systems. Macro and micro plant nutrients. The composition, properties and uses of fertilisers. Soil water relationship, interactions with plant nutrient uptake and loss from soil. Methods of evaluating nutrient levels in soils.		
189.252	15 credits	S1 I PN
Land, Soil and Water		
Introduction to the main New Zealand soil groups including restored soils; soil attributes, limitations, appropriate land use and management including impact on the wider environment. Basic soil water properties. An introduction to drainage, irrigation, soil conservation, GIS and remote sensing, and their relevance to soil users and environmental management.		
189.362	15 credits	S2 I PN
Soil Fertility and the Environment		
A paper focusing on the application of knowledge of soil properties and processes to address the compromise required between maximising agricultural production and minimising adverse environmental effects. The paper will include consideration of models used for estimating fertiliser requirements as well as consideration of alternative low-input systems and environmental impacts.		
189.363	15 credits	S1 I PN
Soil Resources and Sustainable Land Use		
The attributes and limitations of soils for various sustainable land uses. Soil resource mapping systems and land use classification. Conservation and soil water management practices. The entry, storage and manipulation of land resource information using geographic information systems. This paper is based on field trips and case studies.		
189.365	15 credits	DS DL PN
Studies in Soil Science		
This paper is structured on selected topics that demonstrate how a knowledge of soil science explains the impacts of land management practices on the soil resources. Emphasis is placed on aspects relating to soil chemical fertility.		
189.752	30 credits	DS I PN
Advanced Soil Fertility		
A course focusing on skills required to solve problems in selected areas of soil fertility. The course of 6 modules is selected from 8 distinct modules, covering 1. Advanced Nutrient Budgeting, 2. Soil – plant interactions, 3. Soil and plant analysis, 4. Trace elements, 5. Use of GIS in soil fertility and 6. Soil Organic		

matter, 7. Soil Water balance, 8. Soil fertility case study. Students are required to complete 6 modules.

189.753	30 credits	DS I PN
Soil and Land Evaluation		
Advanced theoretical and practical experience in land evaluation. Soil and land suitability, versatility and capability assessment of selected regions in conjunction with land-use problems. Practical experience in land resource inventory mapping using remotely-sensed images. Analyses of land resource inventory information using a geographic information system. Students may take modules of this paper as a 15 credit Special Topic.		
189.755	30 credits	DS I PN
Soil and Water Pollution		
Eutrophication of natural bodies of water; biological interactions between soil materials and water; effect of land disposal methodologies on soil and water quality; organic and mineral pollutants, biological indices of soil and water contamination; and remediation and management strategies for soil and water pollution.		
189.757	15 credits	DS I PN
Advanced Soil Conservation		
Soil erosion processes and the influences of geology, geomorphology, hydrology, soil physical properties, soil fertility and land use on erosion. Soil conservation processes and the planning of conservation schemes.		
189.758	15 credits	DS I PN
Advanced Soil Water Management		
Advanced studies on the distribution and movement of water in soils. Design of drainage systems. Techniques for measuring soil physical properties. Indicators of sustainable land use. Models of water use and movement in soil.		
189.759	30 credits	DS I PN
Advanced Studies in Soil Science		
A selection of six modules from the papers 189.752 Advanced Soil Fertility, 189.753 Advanced Soil and Land Evaluation, 189.755 Soil and Water Pollution, 189.758 Advanced Soil Conservation, 189.759 Advanced Soil Water Management, and 238.751 Agricultural Greenhouse Gas Emission Science for students wanting a broad course in soils relevant to production agriculture and horticulture or to natural resource management.		
189.761	30 credits	DS DL PN
Applied Remote Sensing		DS I PN
A study of remote sensing systems and the application of these technologies. Digital image processing and the integration of remotely-sensed data within a GIS.		
189.785	15 credits	DS I PN
Special Topic		
189.786	30 credits	DS DL PN
Special Topic		DS I PN
189.798	30 credits	DS I PN
Research Report		
189.871	45 credits	S1 I PN
Thesis 90 Credit Part 1		S2 I PN
A supervised and guided independent study resulting in a published work.		
189.872	45 credits	S1 I PN
Thesis 90 Credit Part 2		S2 I PN
A supervised and guided independent study resulting in a published work		
189.875	90 credits	DS I PN
Thesis		
A supervised and guided independent study resulting in a published work.		
189.887	60 credits	DS I PN
Research Report		
189.895	60 credits	DS I PN
Thesis 120 Credit Part 1		S2 I PN
A supervised and guided independent study resulting in a published work.		
189.896	60 credits	S1 I PN
Thesis 120 Credit Part 2		DS I PN
A supervised and guided independent study resulting in a published work		
189.899	120 credits	DS I PN
Thesis		
A supervised and guided independent study resulting in a published work.		
189.900	120 credits	DS I PN
PhD Soil Science		

190

AVIATION STUDIES

190.104	15 credits	S1	I	PN
Principles of Navigation I				
An introduction to navigational principles, including the form of the Earth, direction on the Earth, aeronautical charts, operating avionics, payload and fuel planning and flight planning. This paper includes a study of the operational requirements for visual flight, and the application of the flight navigating principles and procedures to aircraft operations. This is part 1 of a two part paper				
190.107	15 credits	S1	I	PN
Human Performance				
The application of information processing strategies for improving performance in learning, problem-solving, decision-making, interpersonal interrelations, coping in situational anxiety and mental rehearsal. In addition, the paper will include an introduction to aviation medicine.				
190.109	15 credits	S2	DL	PN
Aviation Studies				
An introduction to the interaction of components in the aviation system, including human resources, aircraft, airports and airways systems.				
190.110	30 credits	S1	I	PN
Introduction to Flying				
An integrated flight practicum with topics in aviation law, meteorology, navigation/flight planning, aircraft technical knowledge, human factors and flight radio-telephone, leading to the CAA PPL examination.				
190.111	15 credits	*	*	*
Introduction to Flying I				
An integrated flight practicum with topics in aviation law, meteorology, aircraft technical knowledge, human factors and flight radio-telephone, leading to the CAA PPL examination.				
190.112	15 credits	S1	I	PN
Introduction to Flying II				
An integrated flying practicum covering cross-country navigation, instrument flying culminating in a Private Pilot Licence (PPL) issue flight test. Ground subjects covered include cross-country navigation, introduction to New Zealand meteorological conditions, navigation aids and their uses for Visual Flight Rules (VFR) pilots, and human factors, including aeronautical decision-making and flight instruments.				
190.115	15 credits	S2	DL	PN
Introduction to Aeronautics				
An introduction to the non-practical components of airline and commercial pilots' aeronautical knowledge. Emphasis is placed on general aircraft technical knowledge, principles of flight, aeronautical meteorology, flight procedures and aviation law.				
190.116	15 credits	S1	DL	PN
Introduction to Management in Aviation				
An overview of management concepts in the aviation industry.				
190.117	15 credits	S1	DL	PN
Introduction to Human Factors				
The application of information processing strategies for improving performance in learning, problem-solving, decision-making, interpersonal interrelations, coping in situational anxiety and mental rehearsal.				
190.118	15 credits	S1	I	PN
Aeroscience I				
An introduction to mathematical principles and basic physics as they relate to aerodynamics and aircraft systems. The topics in this paper include manipulation of algebraic formulae; elementary geometry; graphs, vectors; kinematics; momentum; angular velocity; equilibrium; and work, energy, and power.				
190.119	15 credits	S1	I	PN
Aeroscience II				
An introduction to mathematical principles and basic physics as they relate to aerodynamics and aircraft systems. The topics in this paper include differential calculus; statistics for risk analysis; elementary heat and thermodynamics; electromagnetism; DC electrical circuit theory and an introduction to hydrostatics.				
190.120	15 credits	S1	I	PN
Aeronautical Legislation				
This paper includes the integration of theory and practicum for Aviation legal systems, including visual flight rules and instrument flight rules. This is an integrated paper.				

190.121	15 credits	S1	I	PN
Aeronautical Meteorology				
A consideration of the meteorological hazards in aviation, such as airframe icing, turbulence, thunderstorms, reduced visibility and the organisation of meteorological data acquisition and forecasting systems. This paper includes the application of meteorological considerations for operations under visual and instrument flight rules. This is an integrated paper.				
190.122	15 credits	*	*	*
Introduction to Aviation Safety Systems and Investigation				
The purposes of aviation safety systems and investigation and basic aircraft technical information relevant to initiating an investigation are introduced. National and international legislation and protocols governing aviation safety system requirements and for aviation accident and incident investigations including the broad principles and practices for conducting an investigation are covered.				
190.123	15 credits	S1	I	PN
Aircraft Systems				
A study of the electrical, mechanical, hydraulic systems and instrumentation as they apply to a light aircraft. Develop aircraft propulsion systems, the theory of aircraft piston engines, their performance and control. A study of aircraft fluid powered mechanisms with an introduction to aircraft avionics systems. This is in integrated paper.				
190.124	15 credits	S1	I	PN
Aircraft Performance				
The study of flight mechanics for single-engine aircraft, including propeller theory, aircraft performance management and operational performance requirements. This paper will also include single-engine visual, instrument and night flight operations. Corequisites will include mastery performance in aeroplane manoeuvring, flight handling, operating the engines and calculating weights and balances for single-engine aircraft. This is an integrated paper.				
190.150	0 credits	*	*	*
Aviation Practicum 1				
This paper is to facilitate the allocation of additional practicum to student pilots in the Bachelor of Aviation, Air Transport Pilot major.				
190.154	15 credits	S1	I	PN
Principles of Navigation II				
An introduction to navigational principles, including the form of the earth, direction on the earth, aeronautical charts, operating avionics, payload and fuel planning and flight planning. This paper includes a study of the operational requirements for visual flight and the application of flight navigating principles and procedures to aircraft operations.				
190.164	15 credits	*	*	*
Aeronautical Science (AME)				
An introduction to the mathematics and physics required to satisfactorily complete the technical papers of the BAv(AM) degree.				
190.189	15 credits	*	*	*
Basic Gas Turbine Operations				
A study of the principles of operation and construction of aircraft gas turbine engines, including identification and rectification of abnormal operation. Students will practice engine starting, shutdown, and normal and emergency procedures in simulated environments (such as in the Hawker Pilot Trainer HPT flight training device). The paper is designed to meet the theoretical requirements for CAA examination leading to the award of a Gas Turbine Rating.				
190.201	15 credits	S1	I	PN
Aircraft Systems II (Part I)				
Part I of a two-part study of the electrical, mechanical, hydraulic systems as they apply to multi engine aircraft. The paper will include further studies of aircraft propulsion systems, including gas turbine technology. The paper will introduce advanced aircraft avionics, environmental control, instrumentation for sophisticated aircraft. Basic study of the structure for heavy aeroplanes will be undertaken.				
190.203	15 credits	S1	I	PN
Air Traffic Control/Aviation Law				
The integration of theory and practice for Flight Operations and Flight Standards. This paper will enable pilots to use the operational procedures and facilities required by civil aviation and air traffic control organisations. Students will be introduced to international aviation systems, including the Covenants of the International Civil Aviation Organisation (ICAO).				
190.204	15 credits	S1	I	PN
Flight Planning and Advanced Navigation (Part 1)				
Part 1 of a 2 Part study of the development of practical flight planning competencies including route planning, fuel planning, load planning and flight plan amending for instrument flight operations, and for long distance heavy transport operations. The use of in flight navigation techniques, in flight emergency considerations, manual navigation, instrument flight management,				

search and rescue techniques, electronic flight planning and an application of future air navigation systems included.

190.205 **15 credits** S1 I PN
Crew Resource Management S1 I2 PN
 The development of practical competencies in pilot judgement and S2 I PN
 crew resource management which enhance decision-making, effective S2 I2 PN
 interpersonal communication styles, leadership attributes and team concepts. This
 paper is based on the requirements of the European Civil Aviation Conference
 (ECAC) and the International Civil Aviation Organisation (ICAO) for professional
 flight crew licences.

190.206 **15 credits** S1 I PN
Aerodynamics S1 I2 PN
 Part I of a two-part in depth study of aerodynamic and flight S2 I PN
 mechanics principles. The paper will include aspects of fluid S2 I2 PN
 statics and dynamics; low and high-speed aerodynamics, propeller theory,
 performance, stability and control of aircraft at subsonic and supersonic flight
 speeds.

190.207 **15 credits** * * *
Aviation Psychology
 A detailed consideration of the application of psychological principles to flight
 deck performance, including a range of topics from psycho-physiology to
 perceptual and cognitive processes.

190.211 **15 credits** S1 DL PN
Aviation Strategic Management S1 DL SP
 An examination of the primary issues shaping strategic management in S1 I PN
 the aviation industry. The approach is multi-disciplinary, with emphasis on the
 economic analysis of the effects of market deregulation and their impact on
 managerial practice.

190.215 **15 credits** S1 DL PN
Heavy Aeroplane Performance S1 DL SP
 An analysis of fundamental performance considerations and compliance
 requirements for CAR Part 121 'A' performance aeroplanes, focussing on the
 relationship between aircraft performance and flight planning in an airline context.

190.216 **15 credits** S2 DL PN
Aviation Human Factors S2 DL SP
 The paper provides an overview of the basic concepts of human S2 I PN
 factors in aviation, human performance, and issues relating to judgement and
 decision-making in this high risk environment. Communication and other aspects
 of social psychology in various aviation environment are also explored.

190.217 **15 credits** * * *
Instruction and Learning in Aviation
 An examination of learning factors as they apply to ground and airborne instruction
 and of instructional strategies to maximise learning outcomes.

190.220 **15 credits** S2 DL PN
Managing Aviation Systems S2 DL SP
 An examination of the management of aviation organisations such as: S2 I PN
 airports, airlines and civil aviation authorities. Topics may include the management
 practices of planning, regulation and operation of aviation systems, aviation
 economics, and aviation human resource management.

190.221 **15 credits** S1 I PN
Advanced Support Studies S1 I2 PN
 A study of the global climate and of regional climates at the levels S2 I PN
 at which modern jet aircraft fly and at lower levels. It includes a S2 I2 PN
 discussion of the sources and interpretations of climate data. The emphasis is
 on aspects of climate that effect flight. Advanced topics in aviation meteorology
 include environmental effects of aviation and the principles of weather radar.

190.222 **15 credits** S2 DL PN
Basic Air Safety Investigation S2 DL SP
 The aim of this paper is to give students an insight to aircraft accident
 investigation. The paper will also benefit those who need to understand the
 investigation process, such as managers of airlines and regulatory authorities.
 The paper covers the basic requirements and procedures involved in air safety
 investigation.

190.224 **15 credits** S2 B1 PN
Environmental Impacts of Aviation S2 DL PN
 Advanced study of the environment of aviation, the impacts of S2 DL SP
 aviation on the environment and the methods for reducing the impacts. The impacts
 principally considered are noise, atmospheric effects and the effects on the water
 and soil. Research methods in environmental impacts of aviation.

190.225 **15 credits** S1 DL PN
Introduction to Research Methods in Aviation S1 DL SP
 An introduction to the theories and methods of research in the S1 I PN
 aviation industry. A range of both quantitative and qualitative methodologies is
 explored, and various techniques for aviation research are examined.

190.237 **15 credits** S1 I PN
Air Transport Cockpit Systems S1 I2 PN
 This paper introduces modern Air Transport Operations including S2 I PN
 cockpit technology and systems. The practicum for this paper will S2 I2 PN
 demonstrate significant aspects of Air Transport Operations.

190.240 **15 credits** S2 DL PN
Air Power S2 DL SP
 Air Power Studies provides an overarching examination of the S2 I PN
 characteristics of air power and a grounding in the history, development and
 literature of air power issues and the opportunity to examine the application of
 air power within a student's personal aviation experience and, where applicable,
 professional aviation experience.

190.249 **30 credits** * * *
Aircraft Maintenance Management
 An examination of knowledge appropriate to the management of an aircraft
 maintenance organisation.

190.250 **0 credits** * * *
Aviation Practicum 2
 This paper is to facilitate the allocation of additional practicum to student pilots in
 the Bachelor of Aviation, Air Transport Pilot major.

190.251 **15 credits** S1 I PN
Aircraft Systems II (Part 2) S1 I2 PN
 A study of the electrical, mechanical and hydraulic systems as they S2 I PN
 apply to multi-engine aircraft. The paper will include further S2 I2 PN
 studies of aircraft propulsion systems, including gas turbine technology. The paper
 will introduce advanced aircraft avionics; environmental control; instrumentation
 for sophisticated aircraft. Basic study of the structure for heavy aeroplanes will be
 undertaken.

190.254 **15 credits** S1 I PN
Flight Planning and Advanced Navigation (Part 2) S1 I2 PN
 The development of practical flight planning competencies, including S2 I PN
 route planning, fuel planning, load planning and flight plan S2 I2 PN
 amending for instrument flight operations, and for long distance heavy transport
 operations. The use of in-flight navigation techniques, in-flight emergency
 considerations, manual navigation, instrument flight management, search and
 rescue techniques, electronic flight planning and an appreciation of future air
 navigation systems included.

190.256 **15 credits** S1 I PN
Aerodynamics (Part 2) S1 I2 PN
 An in-depth study of the aerodynamic and flight mechanics S2 I PN
 principles. The paper will include aspects of fluid statics and S2 I2 PN
 dynamics; low- and high-speed aerodynamics, propeller theory, performance,
 stability and control of aircraft at subsonic and supersonic flight speeds.

190.283 **15 credits** * * *
Aviation Law
 This paper examines the application of aviation law beyond the initial professional
 licence issue. The paper meets the requirements for the NZ Civil Aviation
 Authority Air Transport Pilot Licence (ATPL) qualification and introduces the
 student to international aviation systems, including the International Civil Aviation
 Organisation (ICAO). A special emphasis is placed on the responsibilities and
 accountabilities of aviation personnel and management systems under the CAA
 Rules regime.

190.288 **30 credits** S1 I PN
Advanced Aircraft Handling S1 I2 PN
 This paper covers the theory and practice of aircraft operations to S2 I PN
 an advanced level. The emphasis of this paper is on knowledge and S2 I2 PN
 skills in relation to handling the aircraft itself. The student will explore the
 dynamics of flying the aircraft to the boundaries of its performance envelope.
 Various standard flying techniques will be analysed and alternative techniques
 evaluated. The student will also fly various performance parameters set by the
 manufacturer and confirm these by appropriate test flights. The practicum element
 of this paper can be undertaken in either single-or multi-engine aircraft.

190.297 **30 credits** S2 I PN
Aerobatic Aircraft Handling for Flight Instructors S2 I2 PN
 This paper covers the theory and aircraft handling for basic and advanced aerobatic
 manoeuvres. Designed to provide flight instructors with advanced aircraft handling
 techniques, it covers aerobatics, advanced stalling and spinning. Special emphasis
 is placed on the recognition of and recovery from abnormal attitudes in both visual
 and instrument flight. The practicum element of the paper will involve up to five
 hours of aerobatic flight.

190.298 **30 credits** S1 I PN
Turbo-Prop and Jet Handling S2 I PN
 The theoretical and practical requirements for the safe ground and flight operation
 of gas-turbine powered aircraft will be examined.

Sem	Mode	Loc	Credits
190.299			15 credits
Aviation Special Topic			
S1	DL	PN	
S1	DL	SP	
S2	DL	PN	
S2	DL	SP	
SS	DL	PN	
SS	DL	SP	
190.301			15 credits
Flight Instructor Human Factors			
S1	I	PN	
S1	I2	PN	
A study of the application of human factor issues such as decision-making, interpersonal relations, communication styles and personality characteristics as they affect flight deck performance in the instructional environment.			
190.302			15 credits
Check and Training for Airlines			
S1	DL	PN	
S1	DL	SP	
This paper is designed for experienced pilots wishing to develop their knowledge in airline check and training concepts.			
190.306			15 credits
Airline Strategic Management			
S2	DL	PN	
S2	DL	SP	
S2	I	PN	
A review of the current state of strategic management in the airline industry. The approach is both multidisciplinary in focus and international in scope. Attention will be focused on the Asia-Pacific region, as the potential location of the world's largest aviation market.			
190.307			15 credits
Airport Planning			
S1	B1	PN	
S1	DL	PN	
S1	DL	SP	
A study of demographic, environmental and economic considerations which apply to the design and evaluation of airport facilities.			
190.308			15 credits
Airport Operational Management			
S2	B1	PN	
S2	DL	PN	
S2	DL	SP	
An examination of the management of airport systems, such as air-side and land-side facilities, technical and support services which contribute to the operational effectiveness of modern airports. The paper will further examine the relationship between airport authorities and the local community.			
190.309			15 credits
Design of Airways and Air Traffic Systems			
S1	B1	PN	
S1	DL	PN	
S1	DL	SP	
An examination of air traffic and air navigational systems and the principles which apply to their operational infrastructure, including the development of visual and instrument flight procedures.			
190.310			15 credits
Computer-Based Learning for Aviation			
*	*	*	
This paper is concerned with developing practical skills for designing computer-based lessons in an aviation context.			
190.312			15 credits
Advanced Navigation Systems			
*	*	*	
This paper examines the integrated communications, navigation, surveillance (CNS) and air traffic management (ATM) system endorsed by the ICAO Tenth Air Navigation Conference in 1991 and commonly referred to as the Future Air Navigation System (FANS).			
190.313			15 credits
Advanced Aviation Human Factors			
S2	DL	PN	
S2	DL	SP	
S2	I	PN	
This paper explores the role and potential of multi-crew systems in the aviation environment. Emphasis is placed on the effect of stress in the context of individual and group performance in the aviation environment. Issues related to communications, performance measurement in aviation, training and simulation and cross-cultural issues will be included.			
190.314			15 credits
Legal Issues in Aviation			
S2	DL	PN	
S2	DL	SP	
General principles of law as applied in the context of the airline transport industry. The paper will focus on the application of law to flight crew, airline operations and civil aviation authorities in terms of both international conventions and treaties and of national legislation and law. Issues such as contractual and tortious liability will be considered.			
190.315			15 credits
Flight Instruction Fundamentals I			
DS	I	PN	
DS	I2	PN	
This paper will include principles and techniques for theory, simulator and flight instruction for primary visual flight and day operations, including a review of aircraft performance management requirements. The paper will incorporate the theoretical issues which underpin aviation science and aircraft systems. Students will be given handling experience in aerobically-rated aircraft.			
190.316			15 credits
Flight Instruction Fundamentals II			
*	*	*	
This paper will include principles and techniques for theory, simulator and flight instruction for navigation, primary visual night and instrument operations, including a review of aircraft performance management. Students will be given experience in advanced navigational technologies such as Global Positions Systems (GPS), etc.			

Sem	Mode	Loc	Credits
190.317			15 credits
Evaluation Methods in Aviation			
S2	DL	PN	
S2	DL	SP	
The identification, development and analysis of tests and measures in aviation aptitude, achievement and licensing evaluation.			
190.320			15 credits
Heavy Aeroplane Performance II			
S2	DL	PN	
S2	DL	SP	
An analysis of operational performance considerations in normal, abnormal and emergency situations including the management of aircraft performance in extreme environmental conditions. The paper will focus on operations in an airline environment.			
190.321			15 credits
Air Accident and Incident Investigation			
S1	B1	PN	
S1	DL	PN	
S1	DL	SP	
The processes and procedures for the conduct of air accident and incident investigations are examined. Investigative techniques as they may apply to aircraft structures, power-plants, maintenance and factors in the operational environment are covered with attention also given to the human performance aspect of investigations. Issues of determining probable cause and methods of effecting safety recommendations are explored.			
190.327			15 credits
Managing Cultures in Aviation			
S1	B1	PN	
S1	DL	PN	
S1	DL	SP	
A critical evaluation of theory and practice of management of cultures in aviation, incorporating: (a) an exploration of theoretical and practical aspects of cultural diversity and its effect on aviation industry in the global business environment; (b) an assessment and management of international, national, and organisational cultural dimensions and their shaping influence in various aspects of aviation operation, such as CRM training, the human-technology interface, communication, and safety investigation.			
190.328			15 credits
Aviation Management Practicum			
S1	DL	PN	
S2	DL	PN	
This paper is intended to give BAvMan students practical experience in the industry. Students will receive credit for successfully working in an approved aviation organisation for a specified project and/or duration and completing suitable work reports.			
190.330			15 credits
Quality Systems and Aviation Safety Programme			
*	*	*	
This paper is designed to provide the student with a comprehensive understanding of quality assurance and safety management as pertaining to the civil and military aviation maintenance and flight operations environments. Topics specifically covered include background to quality systems design, ISO 9000 quality management systems, quality assurance fundamentals, quality control, internal audit requirements, creation of procedures and work instructions, flow charting, statistical analysis, quality records, quality auditing techniques and practices, preventative and corrective action control, interpersonal skills for auditors, latent failure, James Reason model, creation of aviation safety programmes, safety analysis and reporting, and international aviation safety developments. Students will undertake practical safety and quality audits. This paper will provide students with the knowledge requirements for IRCA registration as a quality auditor or lead auditor.			
190.331			15 credits
Quality Systems Practicum			
*	*	*	
The design and implementation of a quality and safety management system for a CAANZ certified aviation organisation. It will include the development of a procedures-manual showing compliance with quality and safety standards.			
190.335			30 credits
Flight Instruction			
S1	I	PN	
S1	I2	PN	
This integrated paper includes the principles and techniques for theory, simulator and flight instruction. The paper covers all aspects of aircraft systems and performance as they relate to instructional requirements. The practicum component of the paper includes ground briefing and aircraft flight time to achieve the competencies required to become a flight instructor. BAv - ATP.			
190.340			15 credits
Contemporary Issues in Aviation Security			
S1	DL	PN	
S1	DL	SP	
S1	I	PN	
This paper explores aviation security with a particular emphasis on terrorism. Students explore key incidents, areas at risk, and the legislation and practical means by which risks are managed. The trade off between an erosion of civil liberties and increased security will be explored, as will the reasons why risks will always remain.			
190.350			0 credits
Aviation Practicum 3			
*	*	*	
This paper is to facilitate the allocation of additional practicum to student pilots in the Bachelor of Aviation, Air Transport Pilot major.			
190.398			15 credits
Special Topic			
S1	DL	PN	
S1	DL	SP	
S2	DL	PN	
S2	DL	SP	
SS	DL	PN	
SS	DL	SP	

		Sem	Mode	Loc
190.399	15 credits	S1	DL	PN
Aviation Special Topic		S2	DL	PN
190.701	30 credits	S1	DL	PN
Human Factors for Professional Aviation		S1	DL	SP
An in-depth study of the latest development and research applications associated with the human factor aspects of aviation. Particular emphasis is placed on the subjective versus objective parameters used in flight crew, air traffic and other aviation systems assessment, including the application of technology to such outcomes.		S1	I	PN
190.703	30 credits	S2	B1	PN
Management in Aviation Systems		S2	DL	PN
A study of the roles, relationships and functions of senior management systems within the aviation industry. The paper will examine the obligations and responsibilities of aviation corporations and their executives (moral, ethical and legal) to staff, clients, shareholders, the aviation community and the wider community.		S2	DL	SP
190.704	30 credits	S1	DL	PN
Research Methods in Aviation		S1	DL	SP
To introduce students to the research design principles of qualitative and quantitative research methodologies, data collection procedures, analysis of data and interpretation of results, and writing the research report.		S1	I	PN
190.705	30 credits	*	*	*
Air Safety Investigation: Concepts and Policy				
This paper provides a basis for those involved in formulating policy for Air Safety Investigation. The paper is divided into three parts. The first part deals with modern developments in the understanding of accidents, and in particular with current thinking on human factors and managerial aspects of accident causation. The second part addresses the question of the quality control of the investigation and reporting process. The final part considers the important question of what an accident investigation authority should seek to do.				
190.707	30 credits	*	*	*
Air Transportation				
This paper provides an in-depth analysis of the national and international environments of the air transport business including market regulation, deregulation and competition laws, air transport economics, technological innovations and the socio-political dimensions in terms of safety, environmental impact and ethics. The effects of these factors on the businesses of airlines, airports and air navigation service providers in terms of operations, costs, revenues and financial performance and the strategies adopted by the firms in response will be evaluated.				
190.720	30 credits	S2	B1	PN
Aviation Strategic Management		S2	DL	PN
The application of economic, political regulatory and management knowledge to the planning and development of airline and aviation organization product outcomes.		S2	DL	SP
190.721	30 credits	S1	B1	PN
Design and Management of Airports		S1	DL	PN
The paper will examine the strategic, economic and administrative contexts within which modern airports operate. It will also seek to define the primary issues of economic growth and development that are shaping the development of airports in the current, medium and long terms.		S1	DL	SP
190.727	30 credits	*	*	*
Management of Aviation Regulatory and Safety Systems				
The application of the human factor, regulatory and auditing systems in the design and management of aviation systems.				
190.728	30 credits	*	*	*
Managing National and Organisational Cultures in Aviation				
The identification and management of cross-cultural and organisational cultural factors in operational environments.				
190.729	30 credits	*	*	*
Managing Aviation Training and Competency Development				
The development and management of training and educational systems through the application of instructional science and multi media technology to enhance individual and organizational competency.				
190.790	30 credits	S1	DL	PN
Special Topic		S1	DL	SP
		S1	I	PN
		S2	DL	PN
		S2	DL	SP
		S2	I	PN
		SS	DL	PN
		SS	DL	SP

		Sem	Mode	Loc
190.791	30 credits	S1	DL	PN
Special Topic		S1	DL	SP
		S1	I	PN
		S2	DL	PN
		S2	DL	SP
		S2	I	PN
		SS	DL	PN
		SS	DL	SP
190.795	30 credits	DS	DL	PN
Research Project		DS	DL	SP
		DS	I	PN
190.890	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
190.891	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
190.892	60 credits	S1	I	PN
Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
190.893	60 credits	S1	I	PN
Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
190.894	60 credits	S1	DL	PN
Professional Practice in Aviation		S1	I	PN
Candidates will undertake professional practice within the Aviation subject area. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.		DS	DL	PN
		DS	I	PN
		S2	DL	PN
		S2	I	PN
190.895	60 credits	S1	DL	PN
Research Report		S1	I	PN
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.		DS	DL	PN
		DS	I	PN
		S2	DL	PN
		S2	I	PN
190.898	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
190.899	120 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
190.900	120 credits	DS	I	PN
PhD Aviation				

192

ENGLISH LANGUAGE STUDIES

192.002	0 credits	S1	I	AL
General English/English for Academic Purposes		S1	I	PN
A course of study in English language at different levels for students from non-English-speaking backgrounds. This paper is offered through the English Language Centre. It is a full-time non-credit course.		S1	I	WL
		S2	I	AL
		S2	I	PN
		S2	I	WL
		SS	I	AL
		S2	I	PN
		SS	I	WL
192.008	36 credits	*	*	*
Foundation Studies in English for Academic Purposes				
This English language development paper involves study in listening, reading, speaking and writing along with advanced grammar and academic vocabulary. The paper also introduces general study skills in English.				
192.009	12 credits	*	*	*
Foundation Studies in Academic Study Skills				
This paper focuses on academic study skills such as academic writing conventions, reading and text analysis, tutorial and seminar presentations, listening to lectures and note taking.				

Sem	Mode	Loc	Credits	Description
S1	I	AL	0 credits	
192.010 English Language Study				
S1	I	PN		An intensive tailor-made course of study in English language for specific groups of international students that incorporates classroom based learning and field work or visits.
S1	I	WL		
S2	I	AL		
S2	I	PN		
S2	I	WL		
SS	I	AL		
SS	I	PN		
SS	I	WL		
192.018 Foundation Studies in English for Academic Purposes				
S1	I	AL	45 credits	This English language development paper involves study in listening, reading, speaking and writing along with advanced grammar and academic vocabulary. The paper also introduces general study skills in English.
S1	I	PN		
S2	I	AL		
S2	I	PN		
SS	I	AL		
SS	I	PN		
192.019 Foundation Studies in Academic Study Skills				
S1	I	AL	15 credits	This paper focuses on academic study skills such as academic writing conventions, reading and text analysis, tutorial and seminar presentations, listening to lectures and note taking.
S1	I	PN		
S2	I	AL		
S2	I	PN		
SS	I	AL		
SS	I	PN		
192.020 Academic Reading and Writing 1				
S1	I1	AL	18 credits	This paper will assist students to read academic texts using appropriate strategies for the purpose of locating either main ideas or specific information. Students will be introduced to basic expository genres and high frequency vocabulary for the purpose of academic writing.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
S2	I3	AL		
S2	I3	PN		
192.021 Language Skills for Academic Study 1				
S1	I1	AL	18 credits	This paper will assist students in developing a variety of language and academic skills needed for tertiary study in an English language environment.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
S2	I3	AL		
S2	I3	PN		
192.022 Academic Reading and Writing II				
S1	I1	AL	18 credits	This paper will assist students to read both extended or multiple texts, evaluating their sources and identifying points of view. Writing will focus on outlining, paraphrasing, summarizing and producing expository essays.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
SS	I3	AL		
SS	I3	PN		
192.023 Language Skills for Academic Study II				
S1	I1	AL	18 credits	This paper extends the basic academic skills needed for tertiary study in an English language environment. It focuses on developing further competency in the use of academic vocabulary, formal presentations, researching assignments, and writing basic interpretations of charts and graphs.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
SS	I3	AL		
SS	I3	PN		
192.030 Advanced Academic Reading and Writing I				
S1	I1	AL	18 credits	This paper advances academic reading and writing skills including comprehension of research materials, knowledge of the structure of extended texts, and understanding of the functions of subsections in research articles. Writing tasks will include paraphrasing, summarizing, and producing a subsection of a research paper.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
S2	I3	AL		
S2	I3	WL		
192.031 Advanced Academic Language Skills and Conventions I				
S1	I1	AL	18 credits	This paper develops comprehension and usage of academic vocabulary and appropriate grammatical forms, use of appropriate register in spoken contexts, comprehension of (and participation in) lectures, tutorial discussions and other academic related discourse, and use of higher level tables, charts and graphs.
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
S2	I3	AL		
S2	I3	WL		
192.032 Advanced Academic Reading and Writing II				
S1	I1	AL	18 credits	This paper focuses on expressing and comprehending complex ideas and relationships in both written and spoken forms. It culminates in giving a presentation on a suitable academic topic (e.g. a report or a research paper/proposal)
S1	I1	PN		
S2	I2	AL		
S2	I2	PN		
SS	I3	AL		
SS	I3	WL		

Sem	Mode	Loc	Credits	Description
S1	I1	AL	18 credits	
192.033 Advanced Academic Language Skills and Conventions II				
S1	I1	PN		This paper develops a variety of skills and strategies for use in presenting academic work. This includes advanced academic vocabulary, grammatical structures, note-taking, organization and evaluation of information, participation in tutorials and seminars, and use of software in support of presentations.
S2	I2	AL		
S2	I2	PN		
SS	I3	AL		
SS	I3	WL		
192.062 Elementary Listening and Speaking				
S1	I1	AL	18 credits	Enables learners to listen to and speak about simple biographical, narrative and descriptive information.
S1	I1	PN		
S1	I3	AL		
S1	I3	PN		
S1	I3	WL		
S2	I5	AL		
S2	I5	PN		
S2	I5	WL		
192.063 Elementary Reading and Writing				
S1	I1	AL	18 credits	Enables learners to read and write simple biographical, narrative and descriptive texts.
S1	I1	PN		
S1	I1	WL		
S1	I3	AL		
S1	I3	PN		
S1	I3	WL		
S2	I5	AL		
S2	I5	PN		
S2	I5	WL		
192.064 Skills and Strategies for Elementary Listening and Speaking				
S1	I2	AL	18 credits	Enables learners to develop skills and strategies to listen to and speak about familiar ideas and information needed in social situations.
S1	I2	PN		
S1	I2	WL		
S2	I4	AL		
S2	I4	PN		
S2	I4	WL		
S2	I6	AL		
S2	I6	PN		
S2	I6	WL		
192.065 Skills and Strategies for Elementary Reading and Writing				
S1	I2	AL	18 credits	Enables learners to develop skills and strategies to read and write simple texts expressing familiar ideas and information needed in social situations.
S1	I2	PN		
S1	I2	WL		
S2	I4	AL		
S2	I4	PN		
S2	I4	WL		
S2	I6	AL		
S2	I6	PN		
S2	I6	WL		
192.070 Pre-Intermediate Listening and Speaking				
S1	I1	AL	18 credits	Develops skills in listening to and speaking about biographical, narrative and descriptive texts.
S1	I1	PN		
S1	I1	WL		
S1	I3	AL		
S1	I3	PN		
S1	I3	WL		
S2	I5	AL		
S2	I5	PN		
S2	I5	WL		
192.072 Pre-Intermediate Reading and Writing				
S1	I1	AL	18 credits	Develops skills in reading and writing biographical, narrative and descriptive texts.
S1	I1	PN		
S1	I1	WL		
S1	I3	AL		
S1	I3	PN		
S1	I3	WL		
S2	I5	AL		
S2	I5	PN		
S2	I5	WL		
192.073 Skills and Strategies for Pre-Intermediate Reading and Writing				
S1	I2	AL	18 credits	Develops skills and strategies in reading and writing about familiar ideas and personal information.
S1	I2	PN		
S1	I2	WL		
S2	I4	AL		
S2	I4	PN		
S2	I4	WL		
S2	I6	AL		
S2	I6	PN		
S2	I6	WL		

	Sem	Mode	Loc
192.074			18 credits
Skills and Strategies for Pre-Intermediate Listening and Speaking	S1	I2	AL
Develops skills and strategies in listening to and speaking about familiar ideas and personal information.	S1	I2	PN
	S1	I2	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL
192.075			18 credits
Intermediate Reading and Writing	S1	I1	AL
Further develops reading and writing skills to understand and produce a range of non-personal texts.	S1	I1	PN
	S1	I1	WL
	S1	I3	AL
	S1	I3	PN
	S1	I3	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.076			18 credits
Intermediate Listening and Speaking	S1	I1	AL
Further develops listening and speaking skills to understand and communicate a range of less familiar topics.	S1	I1	PN
	S1	I1	WL
	S1	I3	AL
	S1	I3	PN
	S1	I3	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.078			18 credits
Skills and Strategies for Intermediate Reading and Writing	S1	I2	AL
Further develops reading and writing skills and strategies for understanding and communicating non-personal information.	S1	I2	PN
	S1	I2	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL
192.079			18 credits
Skills and Strategies for Intermediate Listening and Speaking	S1	I2	AL
Further develops listening and speaking skills and strategies for understanding and communicating non-personal information.	S1	I2	PN
	S1	I2	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL
192.080			18 credits
Upper Intermediate Reading and Writing	S1	I1	AL
Extends the ability to read and write a range of narrative and academic text types.	S1	I1	PN
	S1	I1	WL
	S1	I3	AL
	S1	I3	PN
	S1	I3	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.082			18 credits
Upper Intermediate Listening and Speaking	S1	I1	AL
Extends the ability to listen to and express ideas and opinions.	S1	I1	PN
	S1	I1	WL
	S1	I3	AL
	S1	I3	PN
	S1	I3	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.085			18 credits
Skills and Strategies for Upper Intermediate Listening and Speaking	S1	I2	AL
Extends listening and speaking skills and strategies for study in an academic context.	S1	I2	PN
	S1	I2	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL

	Sem	Mode	Loc
192.088			18 credits
Skills and Strategies for Upper Intermediate Reading and Writing	S1	I2	AL
Extends reading and writing skills and strategies for study in an academic context.	S1	I2	PN
	S1	I2	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL
192.089			18 credits
Advanced Reading and Writing	S1	I3	AL
Explores strategies in reading and writing. Provides opportunity for analysis of different text types and strategies for reading advanced texts.	S1	I3	PN
	S1	I3	WL
	S2	I6	AL
	S2	I6	PN
	S2	I6	WL
192.090			18 credits
Expressing Complex Ideas and Relationships	S1	I2	AL
Develops linguistic strategies to process complex information and express complex ideas in a wide range of contexts.	S1	I2	PN
	S1	I2	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.091			18 credits
Accessing the Community	S1	I3	AL
Explores the community organisations and institutions both locally and internationally. Provides opportunities to achieve identified goals and effectively project personality in English. Explores idiomatic and colloquial language.	S1	I3	PN
	S1	I3	WL
	SS	I6	AL
	SS	I6	PN
	SS	I6	WL
192.092			18 credits
Advanced Reading and Writing (Special Topic)	S1	I1	AL
Provides opportunities to engage and interact with a wide range of text-types and produce complex texts in response. This paper requires students to be highly pro active in the learning opportunities provided.	S1	I1	PN
	S1	I1	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
192.095			18 credits
English for Academic Purposes: Advanced	S1	I1	AL
Develops advanced language and learning skills needed for tertiary study in an English-speaking environment.	S1	I1	PN
	S1	I1	WL
	S2	I4	AL
	S2	I4	PN
	S2	I4	WL
192.096			18 credits
Extending Language Skills and Strategies for Tertiary Studies	S1	I2	AL
Extends advanced language and learning skills needed for tertiary study in an English-speaking environment.	S1	I2	PN
	S1	I2	WL
	S2	I5	AL
	S2	I5	PN
	S2	I5	WL
192.101			15 credits
English for Academic Purposes for Speakers of Other Languages	S1	I	AL
An introduction to vocabulary development, critical and analytical reading, seminar presentation, and listening and note-taking for academic purposes. This paper is designed for students for whom English is a second or other language, and who are enrolled in degree/diploma programmes. It is most suitable for students who are new to an English-speaking academic environment.	S1	I	PN
	S2	I	AL
192.102			15 credits
Academic Writing in English for Speakers of Other Languages	S1	I	AL
A course of study in academic English writing for international students and permanent residents for whom English is the second or other language.	S1	I	PN
	S1	I	WL
	DS	DL	AL
	S2	I	AL
	S2	I	PN
	SS	DL	AL
	SS	I	AL

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VETERINARY NURSING

193.103			15 credits
Animal Behaviour, Handling and Welfare	S2	I	PN
The animal industries and the principles of ethology and animal welfare and their application to domestication, husbandry and production of farm, companion and sport animals and veterinary science. The principles and practice of safe animal handling and restraint. The diagnosis, treatment and prevention of animal behaviour problems.			

Sem	Mode	Loc	Credits	Title	Description
				193.122	15 credits
		S2 PN		Principles and Practice of Veterinary Nursing	Theoretical and practical skills in veterinary nursing including breed identification and basic animal care, terminology, clinical examination of canine, feline, equine and bovine animals, clinical procedures, legal issues of animal care and medical records, evidence and the disciplinary process, negligence and professional conduct. An introduction to immunology.
				193.124	15 credits
		S2 PN		Comparative Anatomy for Veterinary Technologists	An introduction to fundamental anatomical terminology and topography of common domesticated animals. Overview of the following body systems; musculoskeletal, nervous, sensory, cardio-respiratory, lymphatic, genitourinary, endocrine and integumentary. The specialised anatomy of equine distal limb and head. An overview of avian anatomy.
				193.125	0 credits
		SS PN		Veterinary Technology Practical Experience	In this paper students will undertake clinical experience of at least 96 hours within a veterinary clinic. Students will develop generic skills such as observational, technical, fact-finding and analytical skills along with practical animal handling skills.
				193.204	15 credits
		S1 PN		Pathology for Veterinary Technologists	An introduction to pathology, including the relationship of altered body states to laboratory diagnosis. Use of diagnostic procedures for clinical disease in veterinary practice. Specimen collection and handling, quality control, and post-mortem techniques.
				193.205	15 credits
		S1 PN		Anaesthetic Monitoring and Equipment	Anaesthesia physiology. Local, regional and general anaesthesia. Maintenance of anaesthetic equipment. Anaesthetic emergencies. Monitoring patients under anaesthesia. Anaesthesia of high-risk patients. Assessment and control of pain. Intensive care nursing and monitoring.
				193.208	15 credits
		* * *		Externship and Electives	
				193.211	15 credits
		S2 PN		Infectious Diseases of Animals	An introduction to the major groups of organisms that infect animals and the diseases that they cause; treatment and control of disease-causing agents; and diseases of animals that can affect human health.
				193.212	15 credits
		S2 PN		Veterinary Medical Nursing	Diseases, disease presentation and treatment in companion animals, horses, production animals, birds and small mammals. Advanced nursing care and patient monitoring. Topics include infectious diseases, reproduction, obstetrics, paediatric and geriatric care, clinical nutrition.
				193.214	15 credits
		S2 PN		Pharmacology & Toxicology for Veterinary Technologists	Principles of drug formulation, administration, absorption, distribution, metabolism and elimination. Use of common drugs. Toxicities and emergency treatment. Legal, ethical and economic aspects of animal remedies. Stock control. Drug storage and handling. Sale of animal remedies and client advice.
				193.219	15 credits
		S1 PN		Surgery and Imaging	Pre-operative assessment, surgical procedures and post-operative care, wound healing and infection, dressings bandages, splints and casts, dental care and treatment, care and function of specialised surgical equipment, design features of an efficient surgical unit, theatre etiquette, safety practices. The course also includes the principles of veterinary radiography and positioning of animals for radiography. Common procedures in all domestic animals, radiation safety, ultrasonography (MRI, CAT scans) and equipment maintenance procedures.
				193.220	0 credits
		DS PN		Veterinary Technology Clinical Experience	Clinical experience of at least 420 hours within the Massey University Veterinary Teaching Hospital and at least 120 hours of work experience in an area related to the students chosen track. Demonstration of satisfactory completion of work experience and generic skill use such as observational, technical, fact-finding and analytical skills is required
				193.301	15 credits
		S2 PN		Veterinary Biostatistics and Epidemiology for Veterinary Technologists	Statistical principles and methodology, and their application to veterinary science. Emphasis on interpretation of results using computer packages. Principles of applied veterinary epidemiology including patterns of disease, investigation of disease in animal populations, interpretation of diagnostic tests, observational studies and critical appraisal of the literature.

Sem	Mode	Loc	Credits	Title	Description
				193.303	15 credits
		S1 PN		Advanced Clinical Studies	In the context of veterinary technology, the paper will develop a student's knowledge on the Aetiology and Pathogenesis of common diseases. Its coverage includes Clinical and Gross Pathology; Diagnostic Imaging; Advanced Anaesthesia including drugs, monitoring and physiological responses; Intensive Care including pain management, blood transfusions; Medical and Surgical procedures; Pharmacology.
				193.304	15 credits
		S2 DL PN		Animal Emergency Response	A study of natural and man-made hazards and their effects on the animal population. Specific attention will be paid to the impact of natural disasters on animals in the environment and will study how humans cope with disasters. Organisational aspects of disaster management in New Zealand. Management, welfare and recovery of production and companion animals in the event of a disaster. Development of Animal Emergency Management Rescue and Welfare Units in New Zealand. Technical skills required by Animal Welfare Emergency Management personnel.
				193.305	15 credits
		S1 PN		Advanced Animal Behaviour	Diagnosis and treatment of behavioural problems in animals. Theory of learning and its role in training animals; the aetiology of behavioural problems; physiological basis of anxiety and fear; the use of drugs in treating behavioural problems; prevention of behavioural problems; behavioural modification of animals; breeds and behaviours; dog training for different uses; welfare of animals with behavioural problems.
				193.306	60 credits
		DS PN		Integrative Studies for Veterinary Technologists	This course provides tuition, demonstration and clinical experience and application in surgery, anaesthesia, medicine and imaging of animals; health and management of production animals. Students will perform nursing care, clinical and pathology procedures and develop nursing and treatment plans for patients. They will have opportunity to concentrate on a selected (small animal, production animal, equine, business) area of veterinary technology. Students will complete a research proposal, case studies and grand rounds. They are required to participate in compulsory elements including external and internal placements.
194					
PHYSIOLOGY					
				194.101	15 credits
		S2 AL		Essentials of Mammalian Biology	S2 PN
					An introduction to the biology of mammals, including humans, showing the relationship between structure and function of tissues and organs and outlining the physiological processes involved in adapting to their environment.
				194.241	15 credits
		S1 AL		Physiological Control Systems	S1 PN
					The principles of control systems involving nerves and hormones are examined. Control at the cellular, tissue, organ system and whole-body levels is explained with reference to the basis of cell excitability, basic functions of the nervous system, muscle contraction, actions of hormones, the immune system and the renal system. Close relationships between structure and function are considered.
				194.242	15 credits
		S2 AL		Physiology of Mammalian Organ Systems	S2 PN
					Mammalian, including human, physiology is emphasised. The particular roles the different organ systems have in maintaining life and health, and close relationships between structure and function are examined. Topics include the functions of the heart and blood vessels, breathing, reproduction and the digestive system.
				194.243	15 credits
		S2 PN		Physiological Strategies for Survival	
					Survival of individual animals, and species of animals, depends on effective physiological mechanisms that allow animals to live in different environments and to respond to changes in their environment, whether benign or extreme. These mechanisms are examined in relation to environmental factors that may include photoperiod, temperature, altitude, and latitude, and in relation to life in the air and underwater.
				194.245	15 credits
		S1 AL		Animal Form and Function	
					An overview of the strategies used by animals to persist in diverse habitats, from deserts to the poles. The paper focuses on physiological and morphological strategies; in keeping with the integrative nature of the topic these will be related to behavioural and life history adaptations. Examples span diverse taxonomic groups from invertebrates to vertebrates, including humans.

194.342 **15 credits** S2 | PN

Cell Physiology

A course examining the physiology of selected organ systems at the cellular and molecular level. There will be an emphasis on the physiological processes involved in differentiation, development and disease. A strong emphasis is placed on the laboratory course where contemporary physiological and laboratory techniques will be used with the aim of preparing students for postgraduate physiology research or as a primer for techniques used in physiology labs.

194.343 **15 credits** S2 | PN

Applied Physiology and Animal Welfare

The use of physiological methods, experimental design, quantification, diagnosis and value judgements to promote good welfare and health in livestock, wildlife and people is explored using specific examples. Whole-body perspectives on health, stress, pain, difficulties at birth, diarrhoea and respiratory disorders are provided. Consciousness, unconsciousness, brain death and the humane destruction of animals are considered.

194.344 **15 credits** S1 | PN

Nerves and the Nervous System

The functions of the nervous system of mammals, including humans, are explored using examples of normal and, in some cases, abnormal neural activity. Topics covered may include neuronal physiology, neuroscience methods, general sensory systems, developmental neurobiology and the integrating functions of the brain.

194.345 **15 credits** S1 | PN

Comparative Physiology

The physiological mechanisms that enable animals ranging from fish to mammals to live in changing environments. Topics will include adrenal gland hormones and stress, seasonal breeding and photoperiodism, the movement of animals between different environments, and migration.

194.346 **15 credits** S2 | AL

Control of Metabolism

How the body attempts to maintain adequate nutrient and metabolic substrate levels in response to fluctuating energy demands in health and disease. Topics covered will include fluid and electrolyte balance, blood flow through vital tissues, signalling within the gut, nutrient absorption and utilisation and reflexes regulating metabolic activities

194.348 **15 credits** * * *

Applied Human Physiology

A study of physiological concepts and mechanisms related to humans with an emphasis on how cells, tissues, organs and the whole body respond to internal and external environmental stressors that challenge the normal homeostatic state.

194.350 **15 credits** S1 | AL

Human Lifecycle Physiology

Advanced study of human physiology from conception to death, covering pregnancy, the foetus, birth, lactation, growth, puberty and ageing. The impact of earlier events on normal and abnormal body function later in the lifecycle will be considered.

194.703 **30 credits** DS | PN

Neurophysiology and Neuroendocrinology

A two-semester course of self-paced guided instruction into the students' choice of one or more of the following areas: 1. advanced concepts in neurophysiology 2. integrated topics in neurophysiology and neuroendocrinology 3. diseases affecting the brain.

194.704 **30 credits** DS | PN

Reproductive Physiology

Emphasis will be on the hormonal control of reproduction in male and female mammals.

194.705 **30 credits** DS | PN

Digestive Physiology

An advanced study of the physiology of digestion in monogastric and ruminant animals. The topics covered may include the mechanisms controlling digestion, functions of gastrointestinal secretions, motility of the stomach and intestines, characteristics of digestion in ruminants and absorption of nutrients.

194.707 **30 credits** DS | PN

Perinatal Physiology

Principal features of perinatal physiology that affect the survival of newborn mammals are considered, as are some ways physiological investigations are used to devise practical methods for reducing death and debility of newborn mammals.

194.709 **30 credits** DS | PN

Conservation Endocrinology and Reproductive Biology

The application of principles and methods in endocrinology to conservation problems will be considered, especially in relation to reproduction and to stress. The topics studied by each student can be chosen from a wide range and will include New Zealand examples.

194.731 **30 credits** DS | PN

Animal Welfare Science

The contents and scope of animal welfare problems, scientific evaluations of them and the use of science to devise practical solutions are considered at an advanced level.

194.732 **30 credits** DS DL AL

Advanced Cell Physiology

An advanced course on selected topics in cell physiology. The focus is on the processes involved in maintaining cell viability, the mechanisms involved in cell motility and trafficking, intracellular and intercellular signalling, the control of cell death and opportunities for therapeutic manipulations of these processes.

194.788 **30 credits** DS | PN

Research Report

194.791 **30 credits** DS | PN

Special Topic

194.795 **15 credits** S1 | PN

Special Topic

DS | PN

194.799 **30 credits** DS | PN

Research Report

194.870 **60 credits** * * *

Research Report

194.871 **45 credits** S1 | PN

Thesis 90 Credit Part 1

S2 | PN

A supervised and guided independent study resulting in a published work.

194.872 **45 credits** S1 | PN

Thesis 90 Credit Part 2

S2 | PN

A supervised and guided independent study resulting in a published work.

194.875 **90 credits** DS | PN

Thesis

A supervised and guided independent study resulting in a published work.

194.897 **60 credits** DS | PN

Thesis 120 Credit Part 1

S2 | PN

A supervised and guided independent study resulting in a published work.

194.898 **60 credits** S1 | PN

Thesis 120 Credit Part 2

DS | PN

A supervised and guided independent study resulting in a published work.

194.899 **120 credits** DS | PN

Thesis

A supervised and guided independent study resulting in a published work.

194.900 **120 credits** DS | PN

PhD Anatomy/Physiology

195

VETERINARY CLINICAL SCIENCES

195.740 **15 credits** DS B1 AP

A Population Basis for Measuring Health

DS B1 EA
Use of basic epidemiological principles to define populations at risk and determine their state of health. Techniques for determining strength of association, and prevalence/incidence will be mastered.

195.741 **15 credits** DS B1 AP

Epidemiological Techniques for Disease Investigation

DS B1 EA
The principles of outbreak investigation including appropriate selection of study design will be explored. Basic statistical analysis and interpretation of data will be completed; limitations to data interpretation, confounding, and systematic error will be discussed.

195.742 **15 credits** DS B1 AP

Disease Surveillance and Diagnostic Testing

DS B1 EA
Fundamental principles of disease surveillance including appropriate sample size determination will be presented. Choice of diagnostic test and diagnostic test performance evaluation will be key features taught in order to master the subject.

195.743 **15 credits** DS B1 AP

Principles of Disease Control and Management

DS B1 EA
Theoretical and practical aspects of biosecurity will be presented. Students will learn standardized approaches to controlling disease outbreaks including temporal measures of disease, data collection and management, and presentation of information to the public.

196.326 **15 credits** S2 | AL
Topics in Marine Ecology
 An in-depth view of topics in the ecology of marine organisms and their habitats. Students will study one or more topics to provide an advanced education in central issues in marine ecological sciences.

MARINE ECOLOGY

196.327 **15 credits** S1 | AL
Marine Mammalogy
 This paper examines the zoogeography of marine mammals and the morphological, physiological and behavioural adaptations which have enabled this diverse group to successfully colonise all of the world's oceans and some freshwater systems. An understanding of the underlying ecological principles not only provides interesting insights into marine mammal biology but also yields consequences for marine mammal conservation and management.

196.350 **15 credits** S1 | AL
Quantitative Ecology / Ecological Statistics
 Modern ecology requires quantitative tools to test hypotheses, develop models and make predictions for ecological phenomena in the natural world. This paper covers some of the most important advanced statistical modelling tools and software for ecological applications. Topics may include: quantifying biodiversity and modelling species populations, behaviour, interactions or communities with frequentist or Bayesian methods in R and/or WinBUGS software.

ECOLOGY

196.712 **30 credits** DS | PN
Aquatic Ecology
 This paper presents an historical and theoretical perspective to the study of freshwaters, building on the general introduction in 196.313. Topics covered include stream ecosystem structure and function, aquatic macrophytes, plankton, freshwater fish, disturbance and land use impacts, and the implications of the Resource Management Act to aquatic ecology.

196.713 **30 credits** DS | PN
Ecology
 This paper explores contemporary issues in ecology, emphasising a functional outlook on the role of species in communities. It will focus on biodiversity and the interactions of organisms as stimuli for biodiversity. Topics include diversity and ecosystem function, patterns of species diversity, keystone species, herbivory, community structure, assembly roles and food web studies.

196.726 **30 credits** DS | PN
Plant Ecology
 Theoretical topics in plant ecology and ecophysiology, such as forest dynamics, population structures, reproductive strategies, spatial pattern, pollination biology, and ontogenetic effects, investigated through a coordinated course of practical work and literature investigations.

196.791 **30 credits** DS | AL
Special Topic DS | PN

196.798 **30 credits** DS | AL
Research Report DS | PN

196.870 **60 credits** * * *
Research Report

196.871 **45 credits** S1 | PN
Thesis 90 Credit Part 1 S2 | PN
 A supervised and guided independent study resulting in a published work

196.872 **45 credits** S1 | PN
Thesis 90 Credit Part 2 S2 | PN
 A supervised and guided independent study resulting in a published work.

196.875 **90 credits** DS | PN
Thesis
 A supervised and guided independent study resulting in a published work.

196.897 **60 credits** DS | AL
Thesis 120 Credit Part 1 DS | PN
 A supervised and guided independent study resulting in a published work. S2 | AL
 S2 | PN

196.898 **60 credits** S1 | AL
Thesis 120 Credit Part 2 S1 | PN
 A supervised and guided independent study resulting in a published work. DS | AL
 DS | PN
 S2 | AL
 S2 | PN

196.899 **120 credits** DS | AL
Thesis DS | PN
 A supervised and guided independent study resulting in a published work.

196.900 **120 credits** DS | AL
PhD Ecology DS | PN

197

ART AND DESIGN STUDIES

197.119 **15 credits** S2 | WL
Coding for Creative Practice
 In this studio paper students will be introduced to the fundamentals of computer programming as an art and design tool. Students will acquire basic knowledge and fundamental techniques for the creative uses of coding across a range of art and design contexts.

197.152 **15 credits** * * *
Video and Sound
 In this studio paper students will focus on some of the key issues and practices in the use of sonic and time-based media. They will begin to acquire specific conceptual skills, production techniques and processes for audio and video production.

197.191 **15 credits** * * *
Art and Design: Special Topic I
 This paper focuses on a specific aspect of art and design. Offerings change from year to year and may not be offered in a particular year.

197.211 **15 credits** S2 | WL
Rapid Ideation
 In this studio paper students will explore techniques and develop methods of rapid conceptual development in response to a range of design challenges. Students will work collaboratively using a variety of creative processes to facilitate and generate original solutions.

197.238 **15 credits** S1 | WL
Interaction and Interface I
 In this studio paper students will focus on issues and design considerations particular to the interface between technology and people. Principles of usability and interaction will be applied to a range of situations including hand-held, web located, environmental and spatial.

197.270 **15 credits** S1 | WL
Creative Ecologies I S2 | WL
 In this studio paper students will focus on the issues raised by human influence on ecology, culture and economy. Students will be exposed to the history and contexts of sustainability and explore a range of creative responses to future scenarios.

197.285 **15 credits** * * *
Projections: Trends and Forecasting
 In this studio paper students will explore practices and design methods of analysis for trend forecasting and propose an informed critical position to present visual material including styling for media presentation.

197.288 **15 credits** S2 | WL
Creative Industries
 In this paper students will be introduced to creative practices across a broad range of industries. Students will develop knowledge and understanding of precedents and possibilities for creative business leadership.

197.291 **15 credits** * * *
Art and Design: Special Topic II
 This paper focuses on a specific aspect of art and design. Offerings change from year to year and may not be offered in a particular year.

197.338 **15 credits** S2 | WL
Interaction and Interface II
 In this studio paper students will expand their knowledge and proficiency with specific aspects of human-technology interaction. Students will intensify their focus on areas such as small-screen interface, web-based networking, touch control, reactive environments and spatial interaction.

197.370 **15 credits** S1 | WL
Creative Ecologies II S2 | WL
 In this studio paper students will explore design issues particular to ecological design. Students will experiment in the development of innovative designs that integrate with their environments to form holistic living systems.

197.379 **15 credits** S1 | WL
Experience Design
 In this studio paper students will apply experience theory in designing a multi-dimensional response to a design brief. Using a citizen-centred approach, students will negotiate the opportunities and tensions inherent in the design of experiences, offering original solutions that explore current paradigms (including the dynamic interplay of production and consumption).

Sem	Mode	Loc	Credits	Description
197.383		DS WL	15 credits	Internship In this paper the student will practice and experience working within the creative community alongside practitioners in an organisation or approved field.
197.385		S1 WL	15 credits	Projections: Future Casting In this studio paper students will, through a process of research-informed practice, investigate possible future scenarios pertinent to a chosen field of enquiry. Students will explore current and past cultural formations to theorise and articulate an original vision of a speculative art or design object, practice and/or strategy that might anticipate future developments in the field.
197.388		S2 WL	15 credits	Creative Enterprise In this paper students will explore conceptual, strategic and professional dimensions of creative enterprise. Through exposure to industry exemplars they will learn, develop and apply techniques and approaches common to professional practice within creative industries.
197.465		S2 WL	15 credits	Creative Futures In this studio-based paper students situate their creative practice in a professional context. They will locate career interests within the spectrum of the creative industries, developing professional competencies central to entrepreneurial and industry environments in order to project their studies beyond the academic context. This paper encourages students to construct an active strategy to promote themselves and their work persuasively to a defined target audience.
197.470		* * *	15 credits	Creative Ecologies III In this studio paper students will, through a process of research-informed practice, investigate design issues particular to the future of sustainable design. Students will explore and expand sustainable practice in the development of a solution of an identified problem.
197.471		* * *	15 credits	Social Interventions Through Design In this studio paper students will establish a critical position through theme based experimental projects exploring the intersection between diverse design practices. Students will work collaboratively and interdisciplinary to explore and combine unconventional communication design materials, methods and practices to creative interventions in public spaces.
197.490		S1 B1 WL	15 credits	Design Special Topic A
197.495		* * *	15 credits	Design Independent Study Supervised independent student work on a negotiated design topic involving the setting of objectives, research and/or project work and the presentation of appropriate written and/or practical outcomes.
197.499		* * *	30 credits	Design Special Topic
197.701		* * *	30 credits	Design Research Practices I Introduction to design research as a critical and creative practice through advanced methods, processes, technologies and skills.
197.702		* * *	30 credits	Design Research Practices II Development of a design research topic area through application of advanced research methods, processes, technologies and skills.
197.703		* * *	30 credits	Design Special Topic A
197.704		* * *	15 credits	Design Special Topic B
197.705		* * *	15 credits	Independent Study
197.800		DS WL	120 credits	Design Thesis Preparation of a thesis consisting of an advanced design-led research project and an exegesis to satisfy the requirements of the Master of Design qualification.
197.801		* * *	120 credits	MPhil Thesis A supervised and guided independent study resulting in a published work.
197.802		DS WL	60 credits	Design Thesis 120 Credit Part 1 Preparation of a thesis consisting of an advanced design-led research project and an exegesis to satisfy the requirements of the Master of Design qualification.

Sem	Mode	Loc	Credits	Description
197.803		* * *	60 credits	Design Thesis 120 Credit Part 2 Preparation of a thesis consisting of an advanced design-led research project and an exegesis to satisfy the requirements of the Master of Design qualification.
197.805		DS WL	75 credits	Postgraduate Studio In this studio-based paper students generate and present an advanced body of exploratory work that is developed through research and directed towards the articulation of the Thesis Project. The paper assists students to identify key issues in their practice and critically respond to the context in which they are working.
197.806		DS WL	30 credits	Postgraduate Seminar In this paper students select from and engage with a range of seminar sessions that address current ideas, historical precedents, critical perspectives and contexts. The paper supports the development of intellectual frameworks for creative practice.
197.807		DS WL	15 credits	Thesis Project Preparation In this paper students reflect on the creative research work they have undertaken and the critical perspectives they have explored to articulate a provisional framework for the production of a significant body of new work. Students develop and refine their proposal for the Thesis Project, indicating the scope and intention of practical work and associated written component.
197.808		* * *	60 credits	MPhil Thesis 120 Credit Part 1 A supervised and guided independent study resulting in a published work.
197.809		* * *	60 credits	MPhil Thesis 120 Credit Part 2 A supervised and guided independent study resulting in a published work.
197.810		DS WL	120 credits	Thesis In this programme of independent research students generate and present a distinctive body of new work that demonstrates innovative engagement with art/design practice. The thesis comprises the presented creative work and an exegesis.
197.811		* * *	60 credits	Thesis 120 Credit Part 1 A supervised and guided independent study resulting in a published work.
197.812		* * *	60 credits	Thesis 120 Credit Part 2 A supervised and guided independent study resulting in a published work.
197.900		DS WL	120 credits	PhD Design

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INDUSTRIAL DESIGN

198.120		S1 WL	15 credits	Digital Fabrication
		S2 WL		
				In this studio paper students will be introduced to open source and consumer software as a means to produce objects with digital fabrication tools. Through an iterative making process, students will develop an understanding of design considerations, workflows and new methods of creating using contemporary digital technologies.
198.157		S1 B2 WL	15 credits	Studio I (Object)
		S2 B4 WL		
				In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes in three dimensional form-giving, resourceful making and user experience. They will learn to discuss and evaluate their work and the work of their peers.
198.213		S2 WL	15 credits	Furniture Design
				In this studio paper students will develop skills in the design, development and production of furniture in one-off, batch or mass production. By gaining an understanding of the theoretical, historical and practical applications of the discipline, they will produce a project for a specific design context.
198.221		S1 WL	15 credits	Modelling and Prototyping
				In this studio paper students will explore issues and design considerations particular to modelling and prototyping for three-dimensional design. Through the application of skills and techniques, this paper draws on a range of strategies and methods for exploring and representing the form and function of products.

		Sem	Mode	Loc
198.257	30 credits	S1	I	WL
Design Studio IIA (Industrial)				
In this studio paper students will explore and articulate creative responses to design challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in industrial design.				
198.258	30 credits	S2	I	WL
Design Studio IIB (Industrial)				
In this studio paper students will continue to explore and articulate creative responses to design challenges through critical inquiry into contemporary issues relevant to industrial design. Students will further develop and apply core design techniques, skills and processes.				
198.308	15 credits	S1	B1	WL
Industrial Design Special Topic A				
The paper focuses on one specific aspect of industrial design. Offerings change from year to year or may not be offered in a particular year.				
198.309	15 credits	*	*	*
Industrial Design Special Topic B				
The paper focuses on one specific aspect of industrial design. Offerings change from year to year or may not be offered in a particular year.				
198.315	15 credits	S1	I	WL
Product Development				
In this studio paper students will explore and articulate issues and design considerations particular to the development of products for manufacture. Through a design and build project, students will explore and apply their individual and collaborative practices required to develop a product from concept to manufacture.				
198.316	15 credits	*	*	*
Transportation Design				
In this studio paper students will explore and articulate issues and methods used in the design of transportation products. Using advanced methods of visualisation and representation, students will explore creative approaches to the integration of form, human and technological issues in the development of these products.				
198.320	15 credits	SS	I	WL
Open Design & Digital Fabrication				
In this studio paper students will utilise open design methodologies and digital fabrication tools to produce an open design project. They will explore the possibilities and articulate issues related to an open design philosophy whilst developing skills in making and digital fabrication.				
198.357	30 credits	S1	I	WL
Design Studio IIIA (Industrial)				
In this studio paper students will establish a critical position through individual or collaborative creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand industrial design concepts, techniques, skills and processes in the production of their creative work.				
198.358	30 credits	S2	I	WL
Design Studio IIIB (Industrial)				
In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist skills to a range of contexts. In addition to advancing industrial design concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.				
198.362	15 credits	S2	I	WL
Industrial Design Visualisation				
Advanced rendering and visualisation for industrial design, focusing on developing rendering, concept development and presentation skills across a wide range of digital and traditional media.				
198.402	15 credits	*	*	*
Design, Craft and Technology				
In this studio paper students will critically investigate, articulate and challenge craft-based philosophies through an intensive and exploratory making process. Students will produce a research informed independently driven project for a highly resolved physical design outcome.				
198.433	15 credits	S1	I	WL
Designing Science Fiction				
In this studio paper students will, through a process of research-informed practice, investigate design issues particular to the science fiction genre. Students will explore and expand science fiction theory and practice in the development of an original production concept.				
198.453	30 credits	S1	I	WL
Industrial Design Research and Development				
Research methods, processes and practices for industrial design and their application through a research project.				
198.454	45 credits	S2	I	WL
Industrial Design Research Project				
Development and application of research to an independent industrial design project.				

		Sem	Mode	Loc
198.455	45 credits	S2	I	WL
Industrial Design Studio Project				
Development and realisation of an advanced industrial design project.				
198.463	15 credits	S1	I	WL
Industrial Design Digital Representation				
Digital design processes and their integration into design research.				
198.490	15 credits	*	*	*
Industrial Design Special Topic C				
198.495	15 credits	*	*	*
Industrial Design Independent Study				
Supervised independent student work on a negotiated industrial design topic involving the setting of objectives, research and/or project work and the presentation of relevant written and/or practical outcomes.				

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ZOOLOGY

199.101	15 credits	S1	I	AL
Biology of Animals				
Animal diversity is studied within an evolutionary framework. Lectures cover the topics of phylogeny, biogeography, community ecology, morphology, embryology, physiology, behaviour and population biology. During laboratory classes students observe and dissect a variety of animals, study tissues and organs, simulate evolutionary events, carry out field work and analyse population data.				
199.204	15 credits	S2	I	PN
Animal Behaviour				
An integration of biological processes through behavioural mechanisms, the functional responses of individuals and the evolution of social behaviour. Practical skills of description, quantification, comparison and experimentation are emphasised.				
199.206	15 credits	S1	I	AL
The Fauna of New Zealand				
An analysis of the fauna of New Zealand, covering unique and significant elements of the current fauna, and where appropriate, their relationships to past faunas or those elsewhere. Major lifestyle themes, life history adaptations, and habitat characteristics are explored. Practicals include compulsory field work.				
199.211	15 credits	S1	I	AL
Invertebrate Zoology				
A largely marine-based course that introduces the spectacular diversity amongst invertebrates. An appreciation of the major phyla is gained through learning about their movement, feeding and reproduction. Practical work focuses on identifying invertebrates, understanding how they are constructed and how they function.				
199.212	15 credits	S2	I	AL
Vertebrate Zoology				
The basic chordate structural plan is compared to the structure of cephalochordates and vertebrates. The evolution, form and function of some major organs and organ systems are examined. Special features of fishes, amphibia, reptiles, birds and mammals are highlighted. The geological timescale, zoogeography, physiology, ecology, local examples and aspects of conservation are discussed. Practical work is important.				
199.310	15 credits	S1	I	PN
Entomology				
Insect physiology, plant-insect relationships and an introduction to insect pest management. Basic insect identification skills are taught in the laboratories. Field work is important. A collection is required.				
199.312	15 credits	S2	I	AL
Behavioural Ecology				
An examination of the behavioural adaptations of animals to their environment with particular emphasis on the evolution of this behaviour. Topics will include feeding, reproduction, habitat selection and social groups.				
199.317	15 credits	S2	I	PN
Animal Biodiversity				
An exploration of the origins and maintenance of biodiversity using evolutionary and ecological theory, with an emphasis on New Zealand's unique fauna. Factors that determine the distribution and abundance of genetic variation in natural systems, methods of describing this variation (systematics, phylogeography), and ecological processes that maintain this variation are examined. Evolutionary patterns and processes are studied.				
199.320	15 credits	S2	I	AL
Selected Topics in Zoology				
An in-depth view of topics in the zoological sciences. Students will study one or more topics to provide an advanced education in central issues in zoology.				

		Sem	Mode	Loc
199.330	15 credits	S1	I	AL
Ornithology		S1	I	PN
The evolution, taxonomy, morphology and behaviour of birds. Recognition of New Zealand birds by sight and sound. Practical work includes dissection and analyses of plumage colouration and vocalisations.				
199.714	30 credits	DS	I	PN
Animal Behaviour				
How do animals choose a mate, rear their young, avoid predators, find a meal and communicate with each other? These problems and applications of behavioural ecology to pest control and conservation are investigated in detail through reading current literature and class discussions. Topics change from year to year and according to the interests of the participants.				
199.717	30 credits	DS	I	PN
Entomology				
An advanced course of study involving literature reviews, tutorials and personal research on selected aspects of insect evolution, physiology, behaviour and ecology. Topics could include the evolution of insect flight and sociality, pollination of native plants, courtship and mating behaviour, reproductive hormones and pheromones and insect dispersal, pest management and post-harvest disinfestation.				
199.718	30 credits	DS	I	PN
Biogeography and Systematics				
A review of the theory and methods for the analysis of the history of animals and plants in space and time. Emphasis is placed on the estimation of evolutionary trees and their use in historical biogeography, and on New Zealand biogeography and biogeographers. A compulsory practical project is based on learning to use phylogenetic and biogeographic computer software.				
199.791	30 credits	DS	I	AL
Special Topic		DS	I	PN
199.798	30 credits	DS	I	AL
Research Report		DS	I	PN
199.870	60 credits	DS	I	PN
Research Report				
199.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
199.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
199.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
199.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.				
199.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.				
199.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
199.900	120 credits	DS	I	AL
PhD Zoology		DS	I	PN

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POLITICS

200.161	15 credits	S1	DL	PN
Introduction to Politics		S1	I	AL
An introduction to the study and nature of politics, including political theory, political parties, electoral systems, public policy and international relations.				

		Sem	Mode	Loc
200.162	15 credits	S2	DL	PN
Politics and Public Policy in New Zealand		S2	I	AL
An introduction to politics and public policy in New Zealand, with an emphasis on political institutions, the development of public policy, and the interplay between politics and economics in policy development.				
200.201	15 credits	S2	DL	PN
Middle Eastern Politics				
An examination of the contemporary politics of the Middle East, including North Africa.				
200.215	15 credits	S1	DL	PN
Political Theory from Plato to Marx		S1	I	AL
A study of political thought from Plato to Marx.				
200.261	15 credits	S1	B1	MA
World Politics		S1	DL	PN
An introduction to major theories, issues, events and institutions in world politics.				
200.301	15 credits	S2	DL	PN
Contemporary International Conflict		S2	I	AL
An examination of contemporary international conflict drawing on case studies from around the world.				
200.302	15 credits	S2	I	PN
Israel/Palestine and the Arab World				
An exploration of issues in Israeli-Arab relations including the state of Israel's relationships with its Palestinian citizens, the Palestinian Authority, the neighbouring Arab states and the wider Middle East.				
200.303	15 credits	S1	I	PN
Democratic Politics				
This paper will critically examine core issues and debates in contemporary democratic theory and practice. with a focus on diverse forms of and challenges to political participation in contemporary democracies.				
200.315	15 credits	S2	DL	PN
Contemporary Political Theory		S2	I	AL
A study of key themes in contemporary political thought.				
200.361	15 credits	S1	DL	PN
Contemporary New Zealand Politics		S1	I	PN
A study of selected topics and themes in contemporary New Zealand politics and government, with particular reference to the period from 1984 to the present.				
200.761	30 credits	S2	DL	PN
International Relations: Theory and Practice		S2	I	AL
An exploration of the theory and practice of international relations.				
200.762	30 credits	S1	DL	PN
Presidents and Prime Ministers		S1	I	AL
An advanced exploration and critical analysis of the roles, responsibilities and powers of Presidents and Prime Ministers in selected presidential and parliamentary systems.				
200.798	30 credits	DS	DL	PN
Research Report (30)				
200.799	60 credits	DS	DL	PN
Research Report (60)		DS	I	AL
		DS	I	PN
200.800	120 credits	DS	I	PN
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
200.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
200.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
200.816	60 credits	S1	DL	PN
Thesis 120 Credit Part 1		S1	I	AL
A supervised and guided independent study resulting in a published work.				
		S1	I	PN
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN

		Sem	Mode	Loc
200.817	60 credits	S1	DL	PN
Thesis 120 Credit Part 2		S1	I	AL
A supervised and guided independent study resulting in a published work.		S1	I	PN
		DS	DL	PN
		DS	I	AL
		DS	I	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN
200.873	60 credits	S1	DL	PN
Research Report Politics (60)		S1	I	AL
		S1	I	PN
		DS	DL	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN
		SS	DL	PN
		SS	I	AL
		SS	I	PN
200.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1		S1	I	AL
A supervised and guided independent study resulting in a published work.		S1	I	PN
		DS	DL	PN
		S2	DL	PN
		S2	I	AL
		S2	I	PN
200.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2		S2	I	AL
A supervised and guided independent study resulting in a published work.		S2	I	PN
		SS	DL	PN
		SS	I	AL
		SS	I	PN
200.883	90 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
200.899	120 credits	DS	DL	PN
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
200.900	120 credits	DS	I	AL
PhD Politics		DS	I	PN

201

CLASSICAL STUDIES

201.112	15 credits	S2	DL	PN
Greek History		S2	I	PN
This paper provides a survey of Greek History from the Bronze Age (starting around 3000 BC) to the death of Alexander the Great in 323 BC. The focus is on important places, trends and events, with the assignments offering the opportunity for a more in-depth investigation of particular issues.				
201.113	15 credits	S1	DL	PN
Greek Mythology		S1	I	PN
A study of the nature and uses of Greek mythology in ancient Greek literature and art.		SS	DL	PN
201.114	15 credits	S1	DL	PN
Early Rome		S1	I	PN
This paper provides a survey of Roman History from its beginnings to the battle of Actium in 31BC. It aims for a broad coverage of important topics, with the assignments offering the opportunity for a more in-depth investigation of particular issues.				
201.115	15 credits	S1	DL	PN
Introductory Latin				
An introduction to the grammar and translation of Latin. No prior knowledge of Latin assumed.				
201.116	15 credits	S2	DL	PN
Latin				
A continuation of 201.115.				
201.117	15 credits	*	*	*
Greek and Roman Warfare				
An introduction to war in antiquity, in its ethical, social and political contexts, with an examination of weapons, tactics, strategy, famous battles and generals (with a brief look at the Roman gladiator).				

		Sem	Mode	Loc
201.119	15 credits	S1	DL	PN
Ancient Sport and Entertainment				
A study of sport and entertainment in ancient Greek and Roman society and its relation to religion, education, literature and community life.				
201.201	15 credits	S1	DL	PN
The Pursuit of Happiness in the Classical World				
Views of happiness in the ancient Greek and Roman world from Homer to Marcus Aurelius.				
201.211	15 credits	S2	DL	PN
Love and Sexuality in Ancient Greece		S2	I	PN
This paper offers a systematic study of ancient Greek attitudes and practices relating to love and sexuality as reflected in their history, literature, art, and philosophy, and against the background both of the family and society at large.				
201.216	15 credits	S2	DL	PN
The Trojan War				
A comparative examination of the Trojan War in Greek and Roman literature.				
201.218	15 credits	*	*	*
Greek and Roman Religion				
A study of the religion of the Greeks and Romans, approached through both literary and archaeological sources. The paper focuses on cult practices and their impacts on the societies of the time.				
201.219	15 credits	S2	DL	PN
Greek Art and Society				
A detailed survey of techniques, developments and achievements in Greek architecture, sculpture, wall- and vase-painting, set in their archaeological and social contexts. The period covered is from the Bronze Age through to Late Classical times.				
201.220	15 credits	*	*	*
Roman Art and Society				
A detailed survey of techniques, developments and achievements in Hellenistic and Roman architecture, painting, mosaics, and sculpture, set in their archaeological and social contexts. The period covered is from the Hellenistic Age through the Republic down to the Late Empire.				
201.313	15 credits	S1	DL	PN
Myth and Greek Tragedy				
Comparative study of the literary uses of myth in antiquity through analysis of Greek tragedy. (All works are studied in English translation.)				
201.314	15 credits	S2	DL	PN
Imperial Rome				
A study of the first 200 years of Roman imperial rule.				
201.318	15 credits	S1	DL	PN
Greek and Roman Religion				
A study of the religion of the Greeks and Romans, approached through both literary and archaeological sources. The paper focuses on cult practices and their impacts on the societies of the time.				
201.319	15 credits	S2	DL	PN
Greek Art and Society				
A detailed survey of techniques, developments and achievements in Greek architecture, sculpture, wall- and vase-painting, set in their archaeological and social contexts. The period covered is from the Bronze Age through to Late Classical times.				
201.320	15 credits	*	*	*
Roman Art and Society				
A detailed survey of techniques, developments and achievements in Hellenistic and Roman architecture, painting, mosaics and sculpture, set in their archaeological and social contexts. The period covered is from the Hellenistic Age through the Republic down to the Late Empire.				

202

MEDICAL LABORATORY SCIENCE

202.251	15 credits	S1	I	PN
Principles of Epidemiology in Human Populations				
History and scope of epidemiology; definitions of health and disease; causation; concepts of measurement of disease in populations; interpretation of diagnostic tests; observational studies and randomised clinical trials; epidemiology and public health; food-borne disease and zoonoses; epidemiology and health care planning.				
202.281	15 credits	S2	I	PN
Pathology, Parasitology and Medical Laboratory Practice				
An introduction to pathology, including the nature of disease, tissue injury and degeneration, inflammation, repair, healing, neoplasia, pathological terminology and the relationship of altered body states to laboratory diagnosis. An introduction				

to human parasites of medical importance and their identification; haematology; medical ethics; cultural competence; the function of medical laboratories and role in diagnosis of disease.

202.371 15 credits S2 I PN

Human Genetics and Molecular and Clinical Diagnoses

Aspects of genetics that are important in human biology. Topics include single gene defects, chromosome abnormalities, cancer, ageing and an introduction to complex traits. Students will carry out projects involving both individual and group activity in which, under academic supervision, students perform laboratory tests and apply their problem-solving skills and accumulated knowledge to diagnose various clinical conditions.

202.372 15 credits S2 B1 PN

Histological Technique and Medical Cytology

A study of the principles and practical methodology used in the preparation and microscopic examination of tissue for histopathology. The principles of cytological technique, including fine needle aspiration, will also be studied. Techniques will include tissue fixation, processing, microtomy, staining, immunocytochemistry and specimen preparation. Cytological recognition of benign and malignant conditions of the female genital tract and other body sites of males and females will be studied.

202.381 15 credits S2 DL PN

Haematology

Introduction to the homeostatic mechanisms of blood cell production and regulation and the control mechanisms that maintain haemostasis in humans. The role of the haematologist and the laboratory in the diagnosis of diseases such as anaemia, haemophilia, the disorders of thrombosis, leukaemia and other haemopoietic cell tumours.

202.382 15 credits S2 DL PN

Transfusion Science

An introduction to the principles of modern transfusion and transplantation practises. The collection and storage of blood and the manufacture of human blood products for transfusion. The major human blood groups and blood group antibodies. Blood-borne viruses, including the hepatitis viruses and the Major Histocompatibility Complex in the context of donor/recipient matching of organs for transplantation.

202.471 60 credits S1 DL PN

Advanced Haematology

The principles of, and clinical training in, the application of laboratory techniques in the investigation of abnormalities of the haemopoietic and haemostatic systems such as anaemia, aplasia, haematological cancers, bleeding and thrombotic disorders.

202.472 60 credits S1 DL PN

Advanced Transfusion Science

The principles of, and clinical training in, the processes of donor selection, donation collection and processing of blood and blood products. Also included are compatibility testing, blood grouping, antibody screening and identifications used in the provision of blood for transfusion and the diagnosis of haemolytic disease.

202.473 60 credits S1 DL PN

Advanced Histological Technique

The principles of, and clinical training in, the preparation of tissue for study by microscopy and the application of histological techniques to diagnostic histopathology.

202.476 60 credits S2 DL PN

Human Cytogenetics

The study of human chromosomes, their abnormalities and relations to diseases and the pre- and postnatal diagnosis of genetic disorders.

202.477 60 credits S1 DL PN

Immunology and Virology

The principles and methodology of techniques currently used for the diagnosis of a range of immunological diseases and viral infections.

202.478 60 credits S1 DL PN

Advanced Clinical Biochemistry

The principles of, and clinical training in, biochemical and selected immunological laboratory techniques currently used for the diagnosis of human diseases.

BIOLOGY

202.479 60 credits S1 DL PN

Diagnostic Medical Microbiology

The principles of, and clinical training in, the laboratory diagnosis of bacterial, fungal and parasitic infections of humans. It will include specimen collection and processing, microscopy, culture, biochemical tests, and nucleic-acid and antibody-based techniques for pathogen isolation and/or identification as well as antimicrobial susceptibility testing, sterilisation and disinfection.

MEDICAL LABORATORY SCIENCE

202.781 30 credits * * *

Current Topics in Medical Laboratory Science

An advanced course of study based on current literature of Medical Laboratory Science selected from Biochemistry, Microbiology, Virology, Haematology, Transfusion Science, Immunology, Histological Technique and Cytology. Candidates will be expected to cover areas of Medical Laboratory Science, including both their current specialist discipline(s) and other areas.

202.889 45 credits DS DL PN

Research Project

202.900 120 credits DS I PN

PhD Medical Laboratory Science

203

GENETICS

203.202 15 credits S1 I PN

Genetic Analysis

A general course on methods and applications of genetic analysis. Topics include genetic variation, cytogenetics, gene inheritance, gene mapping, gene function, quantitative genetics, population genetics and evolution, cell and developmental biology.

203.203 15 credits S2 B1 AL

Human Genetics

Aspects of genetics that are important in human biology. Topics include chromosome abnormalities, genes and genetic disease, immunogenetics, cancer, ageing, complex traits, family studies and populations.

203.212 15 credits S1 I AL

Principles of Genetics

A general course on the principles and applications of genetics, with an emphasis on problem solving. Topics include gene structure, function and variation, genetic inheritance, cellular genetics and cytogenetics, population and quantitative genetics, genomics, and methods of genetic analysis.

203.300 15 credits S1 I PN

DNA Technology

DNA structure, topology and recombination. The contributions of bacteriophage to DNA technology. Advanced applications of gene cloning, PCR, microarrays and gene targeting. Practical experience will be gained with DNA quantification, molecular cloning, PCR, DNA sequencing, computer analysis and expression of heterologous genes

203.305 15 credits S2 I PN

Advanced Practical Genetics

An advanced course in laboratory techniques used in Genetics. Emphasis is on understanding the theory behind the methods used, on data evaluation and on the application of genetic techniques to various questions in biology. Practicals include microarray analysis, transposon tagging, human microsatellite and SNP analysis and reporter gene expression.

203.307 15 credits S1 I PN

Advanced Cell Biology

A paper with a strong emphasis on the structure and function of cell components and the interactions between cells. Topics covered include chromosome structure and function, cell cycle, signal transduction, cytoskeleton and molecular motors, extracellular matrix, cell motility stem cells, cell death and cancer. The practical component has a strong emphasis on biochemical, genetic and microscopic methods that are used to study cells.

203.328 15 credits S2 I PN

Genome Analysis

An interactive and self-directed learning approach will be used to explore the analysis of genomes, transcriptomes, proteomes and metabolomes. The emphasis will be on understanding and applying a range of methodologies involved in extracting biologically significant information from both existing and novel data sets.

203.340 15 credits S1 I AL

Applied Molecular Biology

A course on the advanced methods and applications of molecular biology. Topics include an historical overview, the contributions of bacteriophage to molecular biology, PCR, gene cloning, protein engineering, genomics, microarrays, forensics and synthetic biology. Practical experience will be gained with PCR, molecular cloning and DNA sequencing.

203.341 15 credits S2 I AL

Genetics and Evolution

A course on understanding organisms at the level of the genome (the genes), the proteome (the proteins), and the population. Advances in understanding the

structure, function, and evolution of the genome and proteome, with emphasis on model organisms, will be discussed. Genetic, biochemical, and evolutionary techniques used to dissect biological function will be described, as will the integration of that information to understand cellular and evolutionary processes.

203.342 **15 credits** S1 | AL

Molecular and Cellular Biology

Regulation of gene expression including chromatin structure, transcription factors, modulation of transcription (e.g. immunoglobulin genes) and post-transcriptional control mechanisms. Signal transduction, protein structure and function as it relates to proton pumps, catalytic strategies, translation and protein sorting. The structural organization of the cytoskeleton, knowledge of cell adhesion and the extracellular matrix, cell signalling mechanisms, cell cycles and vesicular transport.

203.343 **15 credits** S2 | AL

Advanced Genetics and Genomics

An advanced paper on using genetics and genomics to solve modern problems in biology. The paper will explore how genetics and genomics data can be used to understand ancestry and health, and how genes interact with diet and drugs to produce variation. Students will investigate ethical and counselling issues related to personal genomic data. Genetic variation, with an emphasis on humans, will be described, alongside its use in forensics. The newfound role of RNA in regulating gene expression will be covered.

203.711 **30 credits** * * *

Advanced Topics in Molecular Genetics

The paper will involve use of the current literature to critically examine the experimental systems used to advance knowledge in Molecular Genetics.

203.752 **15 credits** * * *

Computational Biology

Projects to be selected from molecular modelling, computational complexity, heuristics, simulations, and search strategies, particularly as they apply to biological applications. Monte Carlo Markov Chains, hidden Markov models, motif searching, alignment and BLAST searches. Maximum Likelihood computation. Parallel computation. Splits. Clustering, tree and networks.

203.761 **15 credits** S2 | AL

Molecular Evolution

Analysis of the evolution of DNA, RNA and proteins. Analysis of theories and experiments on the origin of life, especially the transition from the RNA to the protein/DNA world. Use of molecular 'fossils' in living cells to infer ancient processes. Analysis of DNA from extinct organisms. Human genetic diversity and evolution. Problems in molecular evolution.

203.762 **30 credits** S2 | AL

Genetic Analysis

An advanced course based on current literature where genetic approaches are used to understand important biological processes. Topics will include DNA recombination, plant-microbe symbiosis, plant-fungal gene interactions, the genetic basis of learning and memory and epigenetics.

203.763 **15 credits** DS | AL

Phylogenetics

The course involves an in-depth study of the principles and practise of phylogenetic analysis. The course will emphasize an understanding of basic concepts necessary for the beginner to choose appropriate methods of analysis for different phylogenetic questions in genome science and systematic biology.

203.791 **30 credits** DS | PN

Special Topic

203.792 **15 credits** DS | PN

Special Topic

203.797 **15 credits** S1 | PN

Research Project in Molecular Biology

Supervised, independent research on a topic of relevance to biological science, biochemistry, microbiology, molecular biology, molecular genetics or molecular evolution.

203.798 **30 credits** DS | AL

Research Report

203.870 **60 credits** * * *

Research Report

203.871 **45 credits** S1 | AL

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published work

203.872 **45 credits** S1 | AL

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published work.

203.875 **90 credits** DS | AL

Thesis

A supervised and guided independent study resulting in a published work.

203.897 **60 credits** DS | AL

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

203.898 **60 credits** S1 | AL

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

203.899 **120 credits** DS | AL

Thesis

A supervised and guided independent study resulting in a published work.

203.900 **120 credits** DS | AL

PhD Genetics

DS | PN

204

DECISION SCIENCE

204.900 **120 credits** DS | PN

PhD Decision Science

206

ARTS AND LANGUAGES EDUCATION

206.001 **15 credits** S1 | AL

Communication Skills

This paper focuses on written skills and the expression of information and ideas in written form to the standard necessary to successfully undertake tertiary study.

212

FASHION DESIGN

212.012 **30 credits** * * *

Patternmaking I

Knowledge and skills in the drafting of blocks and their manipulation to produce garment patterns. Production and evaluation of toiles and adjustment of patterns to meet design and fit criteria.

212.013 **30 credits** * * *

Construction I

Applied principles and techniques of apparel construction and the production and finishing of specified garments.

212.014 **15 credits** * * *

Fashion Design I

Introduction to the principles and techniques of fashion design to provide a framework of useful working and research methods concerning the origination, development and expression of garment design concepts.

212.015 **15 credits** * * *

Textiles I

Investigation and evaluation of the characteristics of fibres, fabrics and their performance in relation to design, pattern making and construction, labelling and care of apparel.

212.016 **15 credits** * * *

Apparel Industry I

An introduction to the structure, organisation and operation of the apparel industry, including development of appropriate communication and production skills using relevant technology.

212.017 **15 credits** * * *

Historic Costume

Knowledge and appreciation of the characteristic costume styles associated with various periods of western history and the creation of garments representing these periods. Introduction to 20th century designers.

Sem	Mode	Loc	Credits
212.100			15 credits
Fashion Pattern Making			
In this studio paper students will be introduced to fundamental patternmaking methods through an applied 3D- 2D developmental process. Students will acquire basic skills for the creation of garment patterns for contemporary fashion design.			
212.101			15 credits
Fashion Construction			
In this studio paper students will be introduced to specialised apparel industrial machinery, techniques and applied processes of apparel manufacture through construction sampling and prototyping. These industrial methods will enrich understanding of design solutions for garment and product assembly and creative exploration.			
212.112			30 credits
Patternmaking II			
Application of knowledge and skills in the development of patterns that interpret design concepts for tailored, semi-structured and stretch garments.			
212.113			30 credits
Construction II			
Application of knowledge and skills in construction, finishing and critical appraisal of an extended range of garment types including tailored, elastomeric and knitted fabric categories.			
212.114			15 credits
Fashion Design II			
Application of the principles and processes of fashion design to produce appropriately presented innovative designs reflecting a developing knowledge of market trends, materials and garment categories.			
212.115			15 credits
Textiles II			
Knitted fabric construction and properties. Testing and evaluation of textiles for apparel. Practical application of techniques for colouration. Properties of selected fibre types.			
212.116			15 credits
Apparel Industry II			
An introduction to the principles of organisation and marketing in the apparel industry including internship experience.			
212.119			15 credits
Computer Technology for Apparel			
Application of computer techniques for the apparel industry with emphasis on digitising, grading, patternmaking and marker making for the production environment.			
212.157			15 credits
Studio I (Dress)			
In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes in creatively dressing bodies and fashioning garments. They will learn to discuss and evaluate their work and the work of their peers.			
212.200			15 credits
Garment Pattern Drafting and Grading			
In this studio paper students will be introduced to pattern drafting and basic size grading techniques. Through manual and digital applications, students will develop an understanding of block foundation shapes and how they form the basis of garment styles.			
212.228			15 credits
Fashion Special Topic A			
A selected workshop- or studio-based aspect of fashion design. Offerings change from year to year and may not be offered in a particular year.			
212.257			30 credits
Design Studio IIA (Fashion)			
In this studio paper students will explore and articulate creative responses to design challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in fashion design.			
212.258			30 credits
Design Studio IIB (Fashion)			
In this studio paper students will continue to explore and articulate creative responses to design challenges through critical inquiry into contemporary issues relevant to fashion design. Students will further develop and apply core design techniques, skills and processes.			
212.304			15 credits
Drape for Design			
In this studio paper the student will investigate and explore creative and innovative design pattern processes through application and manipulation of fabric directly on the three dimensional form. Students will expand their pattern processes through			

Sem	Mode	Loc	Credits
critical analysis of drape techniques with increased understanding of fabric behaviour, fit and relationship of the garment to the body.			
212.309			15 credits
Knit Product Development			
Exploration of knit technology and product development for knit garment design.			
212.321			15 credits
Digital Applications for Fashion Production			
In this studio paper students will apply their understanding of pattern production and grading methods specifically oriented to developing designs for mass manufacture.			
212.328			15 credits
Fashion Special Topic B			
A selected workshop- or studio-based aspect of fashion design. Offerings change from year to year and may not be offered in a particular year.			
212.357			30 credits
Design Studio IIIA (Fashion)			
In this studio paper students will establish a critical position through individual or collaborative creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand fashion design concepts, techniques, skills and processes in the production of their creative work.			
212.358			30 credits
Design Studio IIIB (Fashion)			
In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist skills to a range of contexts. In addition to advancing fashion design concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.			
212.402			15 credits
Fashion Theory			
An investigation and critique of fashion systems and theories.			
212.403			15 credits
Apparel Pattern Research			
In this studio paper students will apply a research informed investigation and evaluation of innovative pattern processes and engineering for apparel design. Students will expand their advanced technical knowledge in pattern design.			
212.405			15 credits
Specialised Apparel Construction			
In this studio paper students will apply advanced exploration of specialised construction techniques and application for apparel design. Students will expand their advanced technical knowledge through an informed research investigation including prototyping.			
212.420			15 credits
Apparel Production Computer Applications			
Advanced applications of computers in apparel production.			
212.453			30 credits
Fashion Design Research and Development			
Research methods, practices and processes for fashion design and their application through a research design project.			
212.454			45 credits
Fashion Design Research Project			
Application and development of research in an independent fashion design project.			
212.455			45 credits
Fashion Design Studio Project			
Development and realisation of an advanced fashion design project.			
212.464			15 credits
Fashion Culture and Politics			
In this seminar-based paper, students will learn to critically evaluate their own practice in relation to the cultural politics of fashion.			
212.495			15 credits
Fashion Design Independent Study			
Supervised independent student work on a negotiated topic related to fashion or apparel involving the setting of objectives, research and /or project work and the presentation of appropriate written and/or practical outcomes.			

213

FINE ARTS

213.150			15 credits
Painting			
In this studio paper students will be introduced to aspects of contemporary painting focusing on colour, surface and structure and developing an awareness of the			

diversity of painting mediums and techniques. While working to a brief, students are expected to undertake independent investigations and develop individual responses.

213.151 **15 credits** S2 | WL

Contemporary Sculpture

In this studio paper students will be introduced to aspects of contemporary sculpture with a focus on object making, the exploration of physical materials and applied processes. While working to a brief, students are expected to undertake independent investigations and develop individual responses.

213.154 **15 credits** S1 | WL

Drawing as Expanded Practice

In this studio paper students will be introduced to the potential for drawing to become more than a traditional practice of representation. The paper will focus on expanding students' observation skills, and modes of expression and representation, in an expanded field of contemporary art and design practice.

213.155 **15 credits** S1 | WL

Drawing the Body I

In this studio paper students are introduced to the fundamentals of drawing the human body. Students undertake a project of drawing exercises using various techniques and media.

213.157 **15 credits** S1 B1 WL

Studio I (Art Lab)

In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes in art-making across different media. They will learn to discuss and evaluate their work and the work of their peers.

213.158 **15 credits** S1 B2 WL

Studio I (Art Place)

In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to explore specific techniques, strategies and processes making art works in relation to site and context. They will learn to discuss and evaluate their work and the work of their peers.

213.211 **15 credits** * * *

Fine Arts Special Topic II

213.241 **30 credits** S1 | WL

Art Studio I

In this studio practice paper students will develop ideas, practices and processes in the production of contemporary art through a series of prescribed studio projects, media workshops, gallery visits and guest speakers.

213.242 **30 credits** S2 | WL

Art Studio II

In this studio practice paper students will further develop ideas, practices and processes in the production of contemporary art through a series of prescribed studio projects, media workshops, gallery visits and guest speakers.

213.254 **15 credits** * * *

Contemporary Drawing

A practical studio that introduces principles and practices of drawing. The creative potential of various media will be explored and students are encouraged to develop personal styles of expression through observation, translation and invention.

213.255 **15 credits** S1 | WL

Drawing the Body II

A creative response to representation of the human body through a prescribed project. Students apply a range of drawing practices and media to the development of individual work.

213.256 **15 credits** * * *

Contemporary Art Projects A

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.257 **15 credits** * * *

Contemporary Art Projects B

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.258 **15 credits** S1 | WL

Contemporary Art Projects C

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.259 **15 credits** S1 | WL

Contemporary Art Projects D

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.260 **30 credits** * * *

Fine Arts Special Topic IIB

213.261 **15 credits** * * *

Contemporary Art Projects F

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.262 **15 credits** S2 | WL

Contemporary Art Projects G

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.263 **15 credits** S2 | WL

Contemporary Art Projects H

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.264 **15 credits** * * *

Contemporary Art Projects I

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.265 **15 credits** S1 | WL

Contemporary Art Projects J

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.311 **15 credits** * * *

Fine Arts Special Topic III

213.341 **30 credits** S1 | WL

Art Studio III

In this studio practice paper students will expand content, context, methodology and the role of critical dialogue in the production of contemporary art. Study will be undertaken through a series of studio projects, media workshops, and a programme of gallery visits and guest speakers.

213.342 **30 credits** S2 | WL

Art Studio IV

In this studio practice paper students will further expand content, context, methodology and the role of critical dialogue in the production of contemporary art. Study will be undertaken through a series of studio projects, media workshops, and a programme of gallery visits and guest speakers.

213.355 **15 credits** S1 | WL

Drawing the Body III

The development of an individual drawing project using the body as subject. A degree of innovation and experimentation is expected in both the practice of drawing and applied understanding of the representation of the human body.

213.356 **15 credits** * * *

Contemporary Art Projects E

An investigation into new thinking in contemporary art research through a specific lecturer-led project.

213.357 **15 credits** S2 | WL

Introduction to Fine Arts Research Methods and Practices

An introduction to a range of methods and practices for undertaking research in a fine art context.

213.358 **15 credits** DS | WL

Fine Arts Internship

A negotiated programme of study that provides students with the opportunity to gain experience and practice by working alongside visual arts professionals. Students work through self-directed inquiry and collaboration (as appropriate) towards the development of a project and assigned tasks within the professional environment. Prior approval by the Paper Coordinator is required.

213.359 **15 credits** **

* Contemporary Art Projects K

Engagement with new thinking in contemporary art research through a specific lecturer-led project.

213.360 **30 credits** * * *

Fine Arts Special Topic IIIB

213.411 **15 credits** * * *

Fine Arts Special Topic IV

213.440 **30 credits** S1 | WL

Art Studio Practice

In this studio practice paper students will further advance the exploration of content, context, methodology and the role of critical dialogue in the production of contemporary art. In consultation with lecturers, students develop and present a substantial, innovative and individual body of work.

the scientific reasoning behind the recommendations will be developed. Students will also gain skills in critically evaluating foods and dietary supplements on the market. An examination of some factors influencing food choice. This paper is intended for students who have an interest in nutrition but will not undertake specialist study in the area.

214.311 15 credits S2 DL WL
Epidemiology and Communicable Diseases

The nature of important communicable diseases and the factors that influence the occurrence, prevention and control of infectious diseases. Examination of the major reasons for disease emergence and resurgence. Concepts and applications of epidemiology in relation to infectious and non-infectious agents.

214.312 15 credits S1 DL WL
Environmental Monitoring and Investigative Methods

Application of monitoring and investigative methods used to measure various health effects indicators and aetiological agents in environmental samples. Laboratory and field tests on samples, interpretation of test results in relation to the appropriate standards and guidelines. A practical course.

214.314 15 credits S2 DL WL
Water and Waste Treatment S2 I WL

Water treatment for drinking water supplies and public bathing facilities, the treatment and disposal of liquid (e.g. sewage) and solid wastes for the provision and maintenance of public health, with particular reference to common systems.

214.316 15 credits S1 B1 WL
Bio-Physical Effects of Noise and Vibration

Sources, propagation, measurement units and effects of noise, vibration and electromagnetic radiation. Measurement and assessment of these factors in the community. Instrumentation, procedures, collection of data and interpretation, legislation, standards and guidelines, and requirements for court proceedings.

214.317 15 credits S2 DL WL
Human Health and the Environment

Advanced theory and practice of preserving human health in the environment by identifying key determinants of health and the multi-factorial environmental influences on human health. Involves an applied component which could embrace a variety of practical situations relating to Human Health and the Environment, undertaken within any sector which has a role in the administration or practice of Environmental Health.

214.331 15 credits * * *
Food Choice and Nutrition Promotion

Examination of factors affecting food choice, including cultural, economic, political, psychological, physiologic and organoleptic. Methods used to promote and enable dietary change will be examined. Aims, methods and evaluation of nutrition interventions will be discussed. Emphasis will be given to the current New Zealand situation.

214.771 30 credits S1 I WL
Special Topic S2 I WL

214.772 30 credits DS I WL
Advanced Topics in Food Quality S2 DL WL

Critical reviews, case studies, advanced study and/or research into selected aspects of food quality.

214.773 30 credits DS DL WL
Advanced Topics in Water Quality DS I WL

Critical reviews, case studies, advanced study and/or research into selected aspects of water quality.

214.774 30 credits * * *
Advanced Topics in Sound and its Reception

Critical reviews, case studies, advanced study and/or research into selected aspects of sounds and its reception.

214.775 30 credits DS DL WL
Advanced Topics in Environmental Health

Critical reviews, case studies, advanced study and/or research into selected aspects of environmental health.

214.777 30 credits * * *
Advanced Topics in Air Quality

Critical reviews, standards, advanced study and/or research into selected aspects of air quality.

214.781 30 credits DS DL WL
Advanced Topics in Health Science

Critical reviews, standards, advanced study and/or research in a selected area of health science.

214.798 30 credits DS I WL
Research Report

214.897 60 credits DS DL WL

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

COMPUTER AIDED DESIGN

214.898 60 credits DS I WL

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

HEALTH SCIENCES

214.899 120 credits DS DL WL

Thesis

A supervised and guided independent study resulting in a published work.

214.900 120 credits DS I PN

PhD Health Sciences DS I WL

216

ELECTRICAL AND ELECTRONIC

216.172 15 credits * * *

Digital Principles and Practice

ENGINEERING TECHNOLOGY

216.173 15 credits * * *

Electrical Engineering Principles and Practice

Current, emf, resistivity, Ohm's law, network theorems, electrostatics, capacitance, magnets, inductance, time constants, electromagnetism. Practical and laboratory work including: safe working practice, components, basic instrumentation.

216.174 15 credits * * *

Electrical Engineering

An introduction to AC parameters and circuit solutions. Resonance, power factor correction. Balanced three-phase systems. Transformer operation, models, parameters and applications. Introduction to DC and AC machine theory. Appropriate laboratory work.

ELECTRICAL AND ELECTRONIC

216.234 15 credits * * *

Analogue Devices and Systems

The basics of semiconductor diodes, transistors, thyristors and their application. Fundamentals of operational amplifiers including the basic building blocks. The application of operational amplifiers. Fundamental oscillator theory, op-amp oscillators and standard discrete oscillator configurations such as the Hartley, Colpits and Pierce oscillators. Laboratory work providing practical application of the theory.

216.235 15 credits * * *

Electronic Systems

Further study of A/D and D/A converters. Simple filter theory and its application and realisation with op-amps. Digital Signal Processing fundamentals with some simulation work. An introduction to Finite State Machine fundamentals, CPLD and FPGA devices and basic Hardware Description Language programming. Practical implementation of these circuits in laboratory work.

216.771 15 credits * * *

Special Topic

Critical reviews, case studies, advanced study and/or research into selected aspects of Technology and Engineering.

216.773 30 credits * * *

Special Topic in Technology and Engineering

Critical reviews, case studies, advanced study and/or research into selected aspects of Technology and Engineering.

216.798 30 credits DS I AL

Research Report

216.799 60 credits * * *

Research Report

216.897 60 credits DS I AL

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

216.898 60 credits S1 I AL

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work. DS I AL

216.899 **120 credits** DS | AL
Thesis
 A supervised and guided independent study resulting in a published work.

218

BUILDING AND CONSTRUCTION

218.100 **15 credits** S2 | AL
Construction Materials
 Characteristics and properties of construction materials, focusing on concrete, timber and metals. This course includes laboratory sessions related to the lecture material.

218.110 **0 credits** S1 | AL
Construction Industry Work Experience I
 Construction industry work experience for at least 300 hours in a public or private business in an area related to the student's chosen major. A descriptive report demonstrating satisfactory work experience and generic skills such as observational, fact-finding, analytical and reporting skills is required.

COMPUTER AIDED DESIGN

218.122 **15 credits** S2 | AL
Sustainable Buildings and Computer Aided Design
 Principles of the design and construction of sustainable buildings and an introduction to sustainable building rating systems. An introduction to computer aided design (CAD) and Building Information Management Systems (BIMS).

BUILDING AND CONSTRUCTION

218.150 **15 credits** S1 | AL
Introduction to Built Environment and Measuring Systems
 Introduction to the built environment, construction economics and measuring systems, with emphasis on the nature and operation of the New Zealand built environment, impact of the micro and macro economics on construction, and the basic principles of measurement of building works.

COMPUTER AIDED DESIGN

218.172 **15 credits** S1 | AL
Design and Construction: Residential
 Principles of structural systems for residential buildings, and non specific design of timber framed buildings for resistance to wind and earthquake. Introduction to the properties of building materials and residential construction systems, principles of weathertightness, cladding materials and interior linings. Basic soil and site investigations. Interpretation of building plans.

BUILDING AND CONSTRUCTION

218.210 **0 credits** S1 | AL
Construction Industry Work Experience II
 This paper extends the construction industry work experience gained in first year to additional 300 hours in a public or private business in an area related to the student's chosen major. A descriptive report demonstrating satisfactory work experience and generic skills such as observational, fact-finding, analytical and reporting skills is required.

218.211 **15 credits** S2 | AL
Construction Economics and Estimating
 Financial concepts relating to early stages of the construction project including feasibility studies, cost planning, preliminary estimating methods, design economics, basic principles of life cycle costing and value engineering, tender documentation, tendering methods, and tender pricing and evaluation.

218.213 **15 credits** S1 | AL
Measuring Systems I
 Measurement and scheduling of quantities for specialist building trades according to NZS 4202. Introduction to computer aided measuring and scheduling packages.

218.214 **15 credits** S2 | AL
Measuring Systems II
 Measurement and scheduling of quantities for specialist building trades according to NZS 4202. The use of computer aided measuring and scheduling packages.

218.271 **15 credits** S2 | AL
Construction and Design: Commercial
 Principles of the design of the structures of low rise commercial and industrial buildings. Application of the techniques and details of site works, foundations, structures, envelopes and interiors of industrial and commercial buildings and compliance with the New Zealand Building Code requirements. Topics include commercial cladding systems, office interiors, indoor air quality and acoustics. Field visits.

218.274 **15 credits** S2 | AL
Building Services
 Principles of services and facilities in commercial and domestic buildings. Topics include electrical and energy systems, plumbing and drainage, facilities, security, heating, ventilating, air conditioning, lighting, fire protection and intelligent building control. Field visits.

218.280 **15 credits** S2 | AL
Construction Operations and Control
 A critical examination of construction-related practices, operations and control. Overall planning and coordination of a construction project from inception to completion aimed at meeting a client's requirements in order to produce a functionally and financially viable project.

218.311 **15 credits** S2 B2 AL
Construction Contract and Financial Administration
 An introduction to construction procurement methods, contractual arrangement methods, contractual risk assessment, and construction contract and subcontract administration including the financial administration.

218.313 **15 credits** S2 B1 AL
Construction Innovation and Building Information Modeling
 An investigation into the process of innovation and opportunities for innovation in the construction sectors. Particular reference is given to current innovations in information technology including the application of Building Information Modeling software.

218.315 **15 credits** S1 B1 AL
Construction Law
 The basics of construction law including construction professional negligence, terms of engagement of construction professionals, legal principles affecting tendering, formation of construction contracts and subcontracts, key principles of construction contracts including those affecting time, cost, and quality obligations, termination of contracts, and resolution of construction disputes.

218.340 **30 credits** DS B1 AL
Construction Research Project
 The construction research project paper will enable students to conduct and report on an aspect of construction that demands independent thought and action. It entails an investigation of construction related topics aimed at developing problem identification and solving skills, an appropriate literature review, theories application, laboratory and field work investigation, preparation and submission of a written report, poster and oral presentation on the research topic.

ENGINEERING TECHNOLOGY

218.374 **15 credits** S1 B1 AL
Construction and Design Multi-Storey
 An exploration of design components and construction of high-rise buildings. Principles and design of structural systems, building materials and specification, alternative construction processes and mechanisation, and the application of the necessary requirements from legislation, building code and New Zealand standards. An appreciation of the environmental impact assessment for high-rise buildings in the context of sustainable development.

BUILDING AND CONSTRUCTION

218.414 **15 credits** S2 B2 AL
Construction Planning and Scheduling
 Principles and practice of construction project planning, programming, scheduling and risk analysis.

218.431 **15 credits** * * *
Facilities Management
 Principles of facility management techniques. Strategic planning: space allocation systems, benchmarking techniques, strategies for non-core services, maintenance scheduling and costing, long and short-term budgets, optimisation of utilities resources. Assignment work based on practical examples, laboratory and practical work.

218.710 **15 credits** S2 B1 AL
Advanced Construction Planning and Scheduling
 Advanced principles and practice of construction project planning, scheduling and risk analysis.

218.720 **15 credits** S1 B1 AL
Advanced Construction Site Operations and Control
 Advanced principles and practice of construction project site planning and organisation, site operations, progress monitoring and control.

218.730 **15 credits** S1 B1 AL
Construction Project Management
 Advanced construction project management principles and practice.

Sem	Mode	Loc			
218.741	15 credits	S1	B1	AL	
Light & Lighting					
This paper considers photometric concepts and develops the principles of light control and distribution. Human visual processes are considered and colour science is introduced.					
218.742	15 credits	S2	B1	AL	
Lamps and Luminaires					
This paper develops the principles of light production as applied to lamps and considers the application of lamps in lighting design. The requirements for lamp control gear are considered together with the application of optical control to achieve accurate and efficient distribution of luminous flux. Methods of photometric testing of lamps and luminaires will be investigated.					
218.743	15 credits	S1	B1	AL	
Interior Lighting Design					
This paper develops the principles of interior lighting design. The human requirements and statutory regulations are investigated. Lighting designs are undertaken to demonstrate the techniques involved. The utilisation of daylight to enhance lighting installations and assist with energy savings is considered. Creative lighting techniques are investigated.					
218.744	15 credits	S2	B1	AL	
Energy Efficient Lighting and Exterior Lighting Design					
This paper considers the efficiency of lamps and luminaires in producing and distributing luminous flux. Lighting controls for energy saving applications are investigated. Principles of exterior lighting for work places are considered and the flood lighting of building façades is developed. The design of landscape lighting for commercial and public spaces is undertaken. The statutory requirements for, and the techniques associated with, road way and pedestrian lighting are considered. The design of lighting for sports grounds is undertaken.					
218.760	15 credits	DS	B1	AL	
Indoor Air Quality					
A study of the factors that influence the quality of indoor air in non-industrial buildings. The topics covered include: thermal comfort, HVAC systems and humidification, particulates, microbiological contaminants and exposure limits, indoor air sampling procedures.					
218.761	15 credits	*	*	*	
Design and Management of Healthy Buildings					
A study of the factors affecting non-industrial-built environments, including building investigation techniques, material selection, lighting, acoustics, vibration, ionisation and EMFs, interior design, building and systems maintenance, furnishings, productivity and building ecology. Implications of the Building Act (1990) and the Health, Safety and Employment Act (1992).					
218.763	15 credits	S1	B1	AL	
Construction Law I					
Principles of construction law including construction professional liability, drafting and interpreting construction contracts, and application of construction law principles on issues relating to time, cost, quality, termination of contracts, and dispute resolution.					
218.764	15 credits	S2	B1	AL	
Construction Law II					
Specialist areas of construction law including contractual risk analysis, comparative construction contracts, modern plain English drafting, subcontracting, and construction contract administration.					
218.765	15 credits	S1	B1	AL	
Construction Adjudication					
Statutory adjudication in Commonwealth jurisdictions with a focus on the law and practice of adjudication under the New Zealand Contracts Act 2002 and subsequent amendments including the adjudicator's appointment, jurisdiction, duties, powers and adjudicator's determination.					
218.780	15 credits	S1	B1	AL	
Construction Commercial Management 11					
Pre Contract financial management of construction projects, including feasibility, procurement and tendering.					
218.781	15 credits	S2	B2	AL	
Construction Commercial Management II					
Commercial management of construction projects including aspects relating to change management, value management, cost management, financial risk management, time management and claims management.					
218.810	45 credits	DS	B1	AL	
Research Report					
A detailed examination of a specific researchable topic within the field of construction. The paper provides the opportunity for the student to demonstrate independence and originality to solve a construction-related problem requiring analytical, design and experimental effort.					

Sem	Mode	Loc			
218.820	60 credits	DS	I	AL	
Dissertation					
A detailed examination of a specific researchable topic within the field of construction. The paper provides the opportunity for the student to demonstrate independence and originality to solve a construction-related problem requiring analytical, design and experimental effort.					
218.828	45 credits	S1	I	PN	
Thesis 90 Credit Part 1					
A supervised and guided independent study resulting in a published work.					
218.829	45 credits	S1	I	PN	
Thesis 90 Credit Part 2					
A supervised and guided independent study resulting in a published work.					
218.830	90 credits	DS	I	AL	
Thesis					
A detailed examination of a specific researchable topic within the field of construction. The paper provides the opportunity for the student to demonstrate independence and originality to solve a construction-related problem requiring analytical, design and experimental effort.					
218.900	120 credits	DS	I	AL	
PhD Construction					
DS I PN					

219

COMMUNICATION AND JOURNALISM

219.100	15 credits	S1	I	AL	
Introduction to Business Communication					
An introduction to communication principles and practices at work, with special attention to oral and written communication.					
219.101	15 credits	S2	DL	PN	
Media Skills					
Understanding and working with the news media combining practical skills with critical and ethical perspectives on media use. Skills include media strategy, writing media releases, broadcast interviewing and running a media conference.					
219.107	15 credits	S2	DL	PN	
Introduction to Cross-Cultural Communication					
An introduction to the basic components comprising the experience and expression of culture, this paper examines the complex relationship between culture and communication, and the challenges that may arise when members of different cultural groups interact.					
219.202	15 credits	S1	DL	WL	
Professional and E-Business Writing					
A study of the principles and strategies of effective business writing. This will cover the major forms of business documents and involve the development of business writing skills within a technological and global community.					
219.203	15 credits	*	*	*	
Business Communication					
A study of the processes and practices of business communication in the context of the private and public sectors. The paper is based on those theories of human communication of most relevance in developing an understanding of and facility in skills such as listening, speaking to a group, interviewing and writing in organisations.					
219.204	15 credits	S1	DL	AL	
News Media Processes					
The paper examines the structure and functions of the New Zealand news media. Topics include the 'manufacture' of news, objectivity, gender and race issues and news values. Topical news events are examined.					
219.205	15 credits	S1	I	AL	
Professional Presentations in Business					
A study of the principles and strategies of professional presentations in business and organisational settings. This will cover oral communication in a technological environment and include the use of computer-aided presentations and other media.					
219.206	15 credits	S1	DL	AL	
Communication and Technological Change					
This paper explores the intersection between communication practice and technology, seeking a critical and contextual understanding of how technological innovation impacts on contemporary organisational and business communication.					

Sem	Mode	Loc	Credits	Description
219.209		S1 DL WL	15 credits	Public Relations Practice An introductory study of public relations and its use to create and maintain communication between organisations and their internal and external publics. Theoretical and practical approaches are combined so that students are introduced to the diversity of contemporary public relations theory and techniques and have opportunities to develop key skills in practical assignments.
219.231		S1 DL WL	15 credits	Introduction to Journalism Develop an understanding of the principles and practices of journalism including the fundamentals of newswriting and newsgathering.
219.234		S1 I WL	15 credits	Editing & Publishing Editing text for print and web publication including grammar, punctuation, clarity and style; and the principles of design and layout in publishing.
219.261		* * *	15 credits	Sport Communication An examination of the theoretical background of sport communication, which includes an application of skills and principles within the topic.
219.302		S2 I AL	15 credits	Gender and Communication in Organisations A critical examination of gender theories with an emphasis on the application of theory to practice for women in organisations. The paper studies the way in which gender affects behaviour in organisations.
219.303		S1 DL AL	15 credits	Organisational Communication This paper draws on current research and theory to examine the communication process, practice and ethical considerations of organisations' communication with their internal and external stakeholders.
219.304		S1 DL PN	15 credits	Cross-Cultural Communication This paper includes an examination of different kinds of cross-cultural encounters within New Zealand society and in international contexts. The paper deals with problems of understanding in an ethnically mixed workforce, difficulties of conducting overseas negotiations and the stresses of travelling and working in foreign countries.
219.305		S2 DL WL	15 credits	Public Relations Management An in-depth study of public relations theory and practice. Emphasis is placed on strategic planning and key areas, including media relations, employee relations, government relations and issues management.
219.307		S2 DL WL	15 credits	Interpersonal Communication This paper explores the theories, methods and issues involved in the study of how human beings use language to communicate with one another in the course of their everyday working lives.
219.309		S1 DL WL	15 credits	International Case Studies in Public Relations An examination of the practice and theory of public relations internationally, overviewing the increasingly global industry structure, comparing international theoretical approaches, and introducing specialist intercultural communication skills for internationally mobile public relations practice.
219.310		S2 DL PN	15 credits	Speech Writing This paper focuses on the art of writing interesting, strong and memorable speeches. Students will analyse some of the world's greatest speeches, and practise applying the techniques to write speeches that audiences will find compelling. The curriculum will assist, but is not exclusively directed at, students pursuing careers in Communication Management and Public Relations.
219.311		S1 I AL	15 credits	Communication Internship This paper provides students with a period of workplace or incorporated community organisation experience, and requires integration of that experience with knowledge of communication theory gained throughout their degree, in a series of analytical assessments.
219.312		S1 DL AL	15 credits	Risk and Crisis Communication This paper critically evaluates ways that organisations can manage reputational risk and communicate in response to crisis situations.

Sem	Mode	Loc	Credits	Description
219.335		S2 DL WL	15 credits	Media Law and Ethics Students develop an understanding of the process of making editorial decisions on matters of media law and ethics, including defamation, privacy and complaints about the media.
219.336		S2 DL WL	15 credits	Investigative Reporting The issues and practical considerations involved in undertaking a major piece of investigative journalism. The role of the investigative journalist, a critical assessment of investigative articles, and writing a piece of investigative journalism.
219.339		S1 DL WL	15 credits	History of Journalism A study of the development of print journalism in English since the 1500s, concentrating on developments in England, the United States and New Zealand. The paper also considers the growing distinction between fact and fiction in reportage, the role of the journalist, and the impact of new media technologies.
219.340		S2 DL PN	15 credits	Feature Writing and Freelancing A study of the theory and practice of professional feature writing. It will examine the process and develop skills necessary for producing freelance feature writing, including researching, interviewing and writing techniques.
219.702		S1 I PN	30 credits	Management Communication This paper examines a range of issues concerned with the means by which communication processes can be managed by organisations.
219.703		S1 DL WL	30 credits	Advanced Business Communication An exploration of appropriate theory and practice of business communication in New Zealand organisations. Theory is linked to practice through the analysis of case studies or other applied methods.
219.704		S2 DL PN	30 credits	Advanced Cross-Cultural Communication This paper uses cross-cultural theory and research to focus on ways of developing cross-cultural effectiveness. Areas of study from which students can choose assignment topics include culture and change, biculturalism, negotiation and globalisation.
219.705		S2 DL PN	30 credits	Advanced News Media Processes A critical examination of news media processes, with a particular concentration on the New Zealand media industries, incorporating both theoretical approaches and practical applications. Particular attention is paid to the role of the journalist, ownership and ethics.
219.706		S1 DL WL	30 credits	Advanced Public Relations A critical assessment of the theory and practice of public relations overseas and in New Zealand. Particular attention is paid to corporate public relations, issues management, public policy and ethical concerns. The paper has a strong practical element.
219.708		S1 DL WL	30 credits	Political Communication This paper is a critical and theoretically rigorous inquiry into the nature of contemporary political communication. It is grounded in the idea that contemporary politics is, in part, a 'mediated' process which needs to be understood in terms of the dynamic institutional relations between the worlds of politics, mass media and public relations.
219.709		S2 DL WL	30 credits	Advanced Journalism Issues The paper develops an understanding of advanced journalism theory in specified topic areas and builds students' ability to produce and analyse diverse journalism practices within contemporary communication contexts.
219.710		S2 DL WL	30 credits	Persuasive Communication Practice This paper provides students with the ability to critically examine processes of interpersonal influence in a broad variety of internal and external organisational settings. Through an exploration of a wide range of theories of persuasive communication and extensive application and practice, students develop skills and knowledge to be more sophisticated consumers and producers of persuasive messages, particularly in the context of everyday negotiation.
219.711		DS I WL	0 credits	Shorthand Students study shorthand for this zero-credit, competency-based paper. Students also study and apply correct techniques to prevent Occupational Overuse Syndrome while working.

219.712	30 credits	DS	I	WL
Print News Journalism				
Students study the theory and practice of gathering and writing news journalism for publication, including generating news-story ideas, gathering the relevant information, writing these news stories, and publishing them in mainstream media outlets. Students critically reflect on their experiences, making links to the relevant scholarly literature.				
219.713	30 credits	DS	I	WL
Multi-media Journalism				
Students study the theory and practice of news reporting for various non-print media platforms, including radio, video, photography and the internet. Students critically reflect on the role and function of new media practices, including the use of social media.				
219.714	30 credits	DS	I	WL
Media Law, Ethics and Workplace Practice				
Students study and critically reflect on the principles of media law and ethics with regard to journalistic material, including their own stories. Students undertake journalistic work experience, including reporting on legal cases before the courts and decision-making in local government.				
219.715	30 credits	DS	I	WL
Research Methods in Journalism				
Students consider the research methods and tools relevant to the critical study of journalism. Students critically reflect on the contemporary and historical role of journalism in society, including reporting on diversity. Students investigate and write a substantial piece of investigative journalism, including a section that critically reflects on the process.				
219.790	30 credits	S1	DL	PN
Research Methods in Communication				
To introduce students to the research design principles of qualitative and quantitative research methodologies, data collection procedures, analysis of data and interpretation of results, and writing the research report.				
219.792	60 credits	S1	I	WL
Research Report (2P)				
		DS	DL	PN
		S2	I	WL
219.799	30 credits	DS	DL	PN
Research Report				
Students are required to conduct a piece of independent research.				
219.850	120 credits	DS	DL	PN
Thesis				
The supervised undertaking of an original piece of research in communication management.				
219.851	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
219.852	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
219.853	45 credits	S1	I	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
219.854	45 credits	S1	I	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
219.887	60 credits	S1	DL	WL
Research Report				
Candidates are required to conduct a piece of independent research under supervision and to produce a report of the research for examination.				
219.888	60 credits	S1	DL	WL
Professional Practice				
Candidates will undertake professional practice within the subject area in which the Master of Management is being completed. Professional Practice may be conducted either individually or in groups and assessment of the outcome of the investigation may be in a variety of ways including written and oral presentations and case studies.				
219.889	60 credits	S1	DL	WL
Journalism Project				
Students investigate and write a supervised 5,000-word piece of long-form journalism on a matter of substance and a 10,000-word scholarly, reflective, critically analytical report.				

219.890	30 credits	S1	DL	WL
Journalism Project (Part I)				
Students investigate and write a supervised 5,000-word piece of long-form journalism on a matter of substance and a 10,000-word scholarly, reflective, critically analytical report.				
219.891	30 credits	S1	DL	WL
Journalism Project (Part II)				
Students investigate and write a supervised 5,000-word piece of long-form journalism on a matter of substance and a 10,000-word scholarly, reflective, critically analytical report.				
219.893	90 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
219.897	60 credits	S2	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
219.898	60 credits	S1	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
219.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
219.900	120 credits	DS	DL	PN
PhD Communication and Journalism				
		DS	I	AL
		DS	I	PN
		DS	I	WL

221

PHOTOGRAPHY

221.100	15 credits	S1	I	WL
Photography as an Agent of Change				
In this studio paper students from all disciplines will gain a grounding in photographic technologies and how they can be utilised in contemporary photographic practice. Students will explore the ongoing relationship photography has with social and political issues.				
221.103	15 credits	*	*	*
Photo Communication I				
An examination of communication strategies and processes available to contemporary photography practice. Particular attention will be given to the significance of design and the integration of electronic imaging.				
221.104	15 credits	*	*	*
Photo Communication II				
The application of cultural theory and criticism to the medium of photography and the evaluation of historical and contemporary photographic practice, photographers and associated industry productions.				
221.112	30 credits	*	*	*
Studio Photography 1A				
An introduction to controlled lighting within the studio environment in relation to photography of objects and the human form.				
221.113	15 credits	*	*	*
Photographic Documentary 1A				
An introduction to photographic documentary practices for social, editorial and commercial applications.				
221.114	15 credits	*	*	*
Studio Photography 1B				
Further analysis and application of photography using controlled lighting including the development of individual projects.				
221.115	30 credits	*	*	*
Photographic Documentary 1B				
Further analysis and application of photographic documentary practices including a focus on photographic projects.				
221.157	15 credits	S1	B1	WL
Studio I (Lens)				
In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes in photographic image-making. They will learn to discuss and evaluate their work and the work of their peers.				

		Sem	Mode	Loc
221.212	30 credits	*	*	*
Photographic Technologies				
Practical and theoretical exploration of selected aspects of contemporary and historical photographic technologies.				
221.213	30 credits	*	*	*
Photographic Design Special Topic				
This paper focuses upon one specific aspect of photography. Offerings may change from year to year and may not be offered in either or both semesters.				
221.214	30 credits	*	*	*
Photographic Practices A				
Further development of photographic studio practice with an emphasis on client-based projects.				
221.215	30 credits	*	*	*
Photographic Practices B				
Refinement of appropriate strategies for photographic documentary practices for social, editorial and commercial applications.				
221.216	30 credits	*	*	*
Collaborative Photographic Project				
A photographic group project exploring a specific topic that may involve collaboration with a party or organization external to the student group.				
221.220	15 credits	S1	I	WL
Photography and the Studio		S2	I	WL
In this studio paper students will learn controlled lighting techniques (in the studio and on location). They will develop a self-initiated lighting project in order to enrich other strands of their creative practice.				
221.221	15 credits	S1	I	WL
The Digital Darkroom I		S2	I	WL
In this studio paper students will be introduced to photographic digital image manipulation techniques within a broader discussion of the veracity and consumption of digital photographs. They will develop a self-initiated project in response to their specific area of creative practice.				
221.222	15 credits	S1	I	WL
Photography and the Darkroom		S2	I	WL
In this studio paper students will be introduced to a variety of photographic analogue processes, which they will employ to produce a body of work. Selected darkroom and wet-based photographic techniques will be explored.				
221.257	30 credits	S1	I	WL
Design Studio IIA (Photography)				
In this studio paper students will explore and articulate creative responses to project challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in photography.				
221.258	30 credits	S2	I	WL
Design Studio IIB (Photography)				
In this studio paper students will continue to explore and articulate creative responses to project challenges through critical inquiry into contemporary issues relevant to photography. Students will further develop and apply core techniques, skills and processes.				
221.291	15 credits	*	*	*
Photography Special Topic A				
This paper focuses upon one specific aspect of photography. Offerings change from year to year and may not be offered in either or both semesters.				
221.320	15 credits	S1	I	WL
Photography and the Body				
This studio paper engages with the human form as subject in photography and examines principles of lighting. It also explores the history of representation of the human form, taking in photographic portraiture and approaches to fashion photography along with the central and sometimes controversial history of the nude.				
221.321	15 credits	S2	I	WL
The Digital Darkroom II				
This studio paper provides students from all disciplines with advanced knowledge in digital photographic technologies and how they can be utilised in contemporary photographic practice. Particular attention will be paid to colour theory, colour management and advanced photographic manipulation and output strategies.				
221.357	30 credits	S1	I	WL
Design Studio IIIA (Photography)				
In this studio paper students will establish a critical position through individual creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand photographic concepts, techniques, skills and processes in the production of their creative work.				
221.358	30 credits	S2	I	WL
Design Studio IIIB (Photography)				
In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist				

skills to a range of contexts. In addition to advancing photographic concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.				
221.391	15 credits	*	*	*
Photography Special Topic B				
This paper focuses upon one specific aspect of photography. Offerings change from year to year and may not be offered in either or both semesters.				
221.453	30 credits	S1	I	WL
Photography Research and Development				
Research methods, practices and processes for Photographic Design and their application.				
221.454	45 credits	S2	I	WL
Photography Research Project				
Application and development of research to an independent Photographic Design project.				
221.455	45 credits	S2	I	WL
Photography Studio Project				
Development and realisation of an advanced photographic design project				
221.456	15 credits	S1	I	WL
Photography and the Archive				
A studio-based paper that examines photography's engagement with the 'archive' as a cultural repository. Students will investigate the social, political and historical uses of archives through photography.				
221.457	15 credits	S1	I	WL
Photography and Visuality				
A studio-based paper that examines photography's historical and contemporary relationships with vision and visuality. Students will discuss the impact of visual representations on contemporary life and they will develop this discussion through verbal presentations, written work and in the execution of a body of experimental photographic images.				
221.495	15 credits	*	*	*
Photography Independent Study				
Supervised independent student work on a negotiated topic related to photography involving the setting of objectives, research and/or project work and the presentation of appropriate written and/or practical outcomes.				

222

VISUAL COMMUNICATION DESIGN

222.103	15 credits	S1	I	WL
Social Media Culture		S2	I	WL
In this studio paper students will focus on issues and design considerations particular to social media. They will begin to acquire specific techniques, skills and processes for exploring and producing engaging content for network media, emerging technologies and digital culture.				
222.104	15 credits	S1	I	WL
Printmaking		S2	I	WL
In this studio paper students will focus on issues and design considerations particular to printmaking. Students will acquire specific printmaking techniques, skills and processes to gain competence in this hands-on medium.				
222.157	15 credits	S1	B1	WL
Studio I (Screen)		S1	B2	WL
In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes that form the basis of digital screen areas such as video, web, animation, interaction and emerging technologies. They will learn to discuss and evaluate their work and the work of their peers.				
222.158	15 credits	S1	B1	WL
Studio I (Type)		S1	B2	WL
In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes for a range of visual communication environments, using type. They will learn to discuss and evaluate their work and the work of their peers.				
222.207	15 credits	*	*	*
Bookmaking				
In this studio paper students will explore and articulate issues and design considerations particular to the practice of bookmaking. Through the application of techniques and skills, in a process of construction, students will develop an understanding of the history, architecture and material nature of the book.				

		Sem	Mode	Loc
222.208	15 credits	S1	B1	WL
Letterpress		S1	I	WL
In this studio paper students will explore and articulate issues and design considerations particular to letterpress technologies. Students will develop and apply techniques, skills and processes in letterpress typography and print production.				
222.212	15 credits		*	* * *
Media and Message				
In this studio paper students will learn tools and methodologies particular to the practices of media identification and engaging audience responses appropriate to advertising/design communication. Students will apply fundamentals of media strategies and develop skills and processes for communication emphasis in their creative practice.				
222.215	15 credits	S1	I	WL
Brand Communication		S2	I	WL
In this studio paper students will learn history and methods particular to practices of brand positioning and marketing communication. Students will apply fundamentals of brand strategy to the process of differentiating branded offerings through design.				
222.225	15 credits	S2	I	WL
Story and Narration				
In this studio paper students will explore and articulate issues and creative considerations particular to narration and narrative theory. Students will develop and apply techniques, skills and processes in the use of storytelling in their creative practice.				
222.232	15 credits	S1	I	WL
Character Design				
In this studio paper students will explore the unique area of character creation, design and production. Following an investigative process, students will develop an original character that is meaningfully placed within a social or fantastical context.				
222.235	15 credits		*	* * *
Audio Design				
In this studio paper students will be introduced to sound recording and sound design. Students will develop ability in mixing, post-production and the use of sound to support a range of situations and media with an emphasis on soundtrack creation.				
222.236	15 credits		*	* * *
Music Video (Video Production)				
In this studio paper students will explore and articulate issues and design considerations particular to music video production. Through the application of video and motion graphic design, students will develop an understanding of the contemporary genre of hybrid forms of moving-image and new emerging video and motion graphic forms.				
222.239	15 credits		*	* * *
Mobile Media				
In this studio paper students will explore and articulate issues and design considerations particular to creative mobile media practices. Through practical application students will develop an understanding of locative media and the collaborative possibilities of current and emerging mobile devices.				
222.246	15 credits		*	* * *
Icons, Pictograms and Symbols				
In this studio paper students will explore and articulate issues and design considerations particular to communication using icons, pictograms and symbols. Students will develop and apply techniques, skills and processes in visually communicating without written words.				
222.248	15 credits	S1	I	WL
Information Design		S2	I	WL
In this studio paper students will explore and articulate issues and design considerations particular to managing complex information. Students will develop and apply techniques, skills and processes in communicating through text, symbol, colour and form.				
222.257	30 credits	S1	I	WL
Design Studio IIA (Visual Communication)				
In this studio paper students will explore and articulate creative responses to design challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in visual communication design.				
222.258	30 credits	S2	I	WL
Design Studio IIB (Visual Communication)				
In this studio paper students will continue to explore and articulate creative responses to design challenges through critical inquiry into contemporary issues relevant to visual communication design. Students will further develop and apply core design techniques, skills and processes.				

		Sem	Mode	Loc
222.290	15 credits		*	* * *
Visual Communication Design Special Topic I				
The paper focuses on one specific aspect of visual communication design. Offerings change from year to year or may not be offered in a particular year.				
222.291	15 credits		*	* * *
Visual Communication Design Special Topic II				
The paper focuses on one specific aspect of visual communication design. Offerings change from year to year or may not be offered in a particular year.				
222.300	15 credits		*	* * *
Typeface Design				
In this studio paper students will explore and articulate design considerations and issues particular to the practice of type design. Students will investigate and employ analogue and digital techniques in the process of crafting and developing a family of letterforms.				
222.312	15 credits	S1	I	WL
Art Direction				
In this studio paper students will learn art direction practices for the resolution of conceptual executions with an emphasis on typography, image narrative and advertising design hierarchies. Students will explore art direction techniques and processes applied to print and digital media encompassing visual culture theory and practical skills.				
222.313	15 credits	S2	I	WL
Copywriting				
In this studio paper students will establish a critical position through the authority of words to inform, challenge or communicate a narrative within the broad spectrum of visual communication design. Students will explore the expressive characteristics of words and their potential to influence through themes relating to textual creativity and narrative in communication design.				
222.314	15 credits		*	* * *
Strategies for Communication				
In this studio paper students will develop visual communication strategies in response to specific challenges using both traditional and new media. Students will apply a range of critical and design-thinking techniques to consolidate and expand their strategies in order to provide innovative solutions applicable to a targeted audience.				
222.315	15 credits		*	* * *
Brand Experience				
Advanced exploration of the ways that brand values, visual communication design and communications media interact to create brand experiences for target audiences, with special focus on non-mainstream media.				
222.316	15 credits		*	* * *
Identity Systems				
In this studio paper students will explore and articulate design considerations particular to the articulation of corporate identity. Students will explore and expand identity design theory and practice, and develop production techniques, skills and processes to implement and manage an identity design.				
222.326	15 credits	S1	I	WL
Sequential Art				
In this studio paper students will learn how to create visual narratives in sequential form. The emphasis will be on visual narrative construction for the picture book, with some contextual history of the genre. Production aspects include analogue and design techniques, continuity and image and text relationships.				
222.333	15 credits	S2	I	WL
Conceptual Design for Film and Media				
In this studio paper students will learn how to represent ideas, characters, moods, scenes and scenarios which could be used in film, games or animations. Within this area of pre-production students will use both divergent and convergent approaches that will result in multiple concept options as well as technically resolved images.				
222.337	15 credits		*	* * *
Cinematic Effects				
In this studio paper students will focus on special effects production. Students will explore and expand their knowledge of green screen and studio production, and further develop production techniques utilising special effects software. Appropriate technical competency is assumed.				
222.338	15 credits		*	* * *
Documentary Filmmaking				
In this studio paper students will establish a critical position through creative exploration and articulation of documentary film production. Students will explore and expand documentary theory and practice, and develop production techniques, skills and processes. Appropriate technical competency is assumed.				
222.347	15 credits	S1	I	WL
Editorial Design		S2	I	WL
In this studio paper students will explore and articulate design considerations particular to managing editorial content. Students will develop and apply techniques, skills and processes in communicating through advanced typographic techniques and image composition.				

Sem	Mode	Loc	Credits	Description
222.348		S2 WL	15 credits	Information Visualisation In this studio paper students will explore information design concepts and expand information design theory and practice. Complex information will be interpreted and translated into precise and accessible form for specific audiences.
222.349		* * *	15 credits	Wayshowing In this studio paper students will explore site-responsive graphic design concepts and expand environmental graphic design theory and practice. Navigational information will be interpreted and translated into precise and accessible messages within built environments.
222.357		S1 WL	30 credits	Design Studio IIIA (Visual Communication) In this studio paper students will establish a critical position through individual or collaborative creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand visual communication design concepts, techniques, skills and processes in the production of their creative work.
222.358		S2 WL	30 credits	Design Studio IIIB (Visual Communication) In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist skills to a range of contexts. In addition to advancing visual communication design concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.
222.390		S1 WL	15 credits	Visual Communication Design Special Topic A The paper focuses on one specific aspect of visual communication design. Offerings change from year to year or may not be offered in a particular year.
222.391		S2 WL	15 credits	Visual Communication Design Special Topic B The paper focuses on one specific aspect of visual communication design. Offerings change from year to year or may not be offered in a particular year.
222.392		S2 WL	15 credits	Visual Communication Design Special Topic C
222.395		* * *	15 credits	Independent Visual Communication Design Study Independent student work is undertaken on an approved course of study involving research and/or project work in visual communication design. Note: Special approval must be sought for entry to an independent study paper.
222.408		S1 WL	15 credits	Information Design This paper explores ways in which complex information can be interpreted and translated into sophisticated visual language through analytical and practical design enquiry.
222.409		S1 WL	15 credits	Contemporary Letterpress In this studio paper students will apply a visual research process of typography with historical and contemporary printing methods. Students will explore aesthetic and theoretical implications of hand presses, metal type, wood type and digital technologies in the creation of new hybrid visual communication.
222.411		S1 WL	15 credits	Art Direction for Advertising Art direction strategies, methods and visual techniques for advertising and promotional communication.
222.413		* * *	15 credits	Rhetoric and Persuasion In this studio paper students will apply a research-informed investigation of persuasive strategies in their creative communication practice. Students will expand their strategic thinking through the exploration of persuasive techniques, argumentation, rhetorical theory and strategic positioning in their creative practice and presentation skills.
222.416		* * *	15 credits	Dynamic Identities In this studio paper students will apply a research-informed investigation of dynamic identities in their creative communication practice. Students will critically investigate how an organisation can lead and manage their brand experience through communication with images, words, motion sound and space.
222.425		S1 WL	15 credits	Illustration Studio Practice Advanced exploration and application of illustrative processes, methods and strategies to a range of complex issues.

Sem	Mode	Loc	Credits	Description
222.430		S1 WL	15 credits	Digital Media Studio Research into digital techniques and concept development, providing a studio based research foundation for other advanced digital media papers.
222.436		* * *	15 credits	VFX (motion graphics & digital filmmaking) In this studio paper students will, through a process of research-informed practice, investigate design issues particular to visual effects production. Students will explore new forms and hybrids of moving image and demonstrate knowledge of advanced VFX software to produce innovative motion-graphics and digital filmmaking projects. A high level of technical competency is assumed.
222.437		SS WL	15 credits	Digital FX In this digital studio paper students will further their expertise of digital media to explore and experiment with high-end effects production. Students will work at an industry professional level to gain a command over a range of FX production and rendering. A high level of technical competency is assumed.
222.449		S1 WL	15 credits	Spatial Information In this studio paper students will apply a research-informed investigation of typography in spatial environments. Students will explore two and three dimensional typographic solutions that may include interpretive, navigational or informational typography.
222.453		S1 WL	30 credits	Visual Communication Design Research and Development Application of research methods and processes to investigate social, cultural, aesthetic and technical issues and strategies in an approved visual communication design project.
222.454		S2 WL	45 credits	Visual Communication Design Research Project Application of research to the development and production of an approved independent visual communication design project.
222.455		S2 WL	45 credits	Visual Communication Design Studio Project Development and realisation of an advanced visual communication design project.
222.490		* * *	15 credits	Visual Communication Design Special Topic D
222.491		* * *	15 credits	Visual Communication Design Special Topic E
222.492		S1 WL	15 credits	Digital Media Special Topic
222.493		S1 WL	15 credits	Advertising Special Topic
222.494		S1 WL	15 credits	Graphic Design Special Topic
222.495		S1 WL	15 credits	Illustration Special Topic
222.496		* * *	15 credits	Visual Communication Design Special Topic F
222.497		* * *	15 credits	Visual Communication Design Special Topic G
222.499		* * *	15 credits	Independent Visual Communication Design Study Independent student work is undertaken on an approved course of study involving research and/or project work in visual communication design.

223

TEXTILE DESIGN

223.157		S1 B2 WL S2 B4 WL	15 credits	Studio I (Material) In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes through the investigation of materials, form, surface, image and pattern for the design and making of textiles. They will learn to discuss and evaluate their work and the work of their peers.
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		Sem	Mode	Loc
223.207	15 credits	S1	I	WL
Materials Analysis		SS	I	WL
In this studio paper students will be introduced to identification and testing of materials for design and performance. Workshops and laboratory testing will include analysis of innovative, technical and industrial materials for a wide range of design products.				
223.211	15 credits	S1	I	WL
Fashion Textiles		S2	I	WL
This studio paper introduces the design and creation of textiles for apparel. Students will explore a variety of textile techniques and processes, and their creative fashion application.				
223.228	15 credits	*	*	*
Textile Design Special Topic A				
The paper focuses on one specific aspect of textile design. Offerings change from year to year or may not be offered in a particular year.				
223.257	30 credits	S1	I	WL
Design Studio IIA (Textiles)				
In this studio paper students will explore and articulate creative responses to design challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in textile design.				
223.258	30 credits	S2	I	WL
Design Studio IIB (Textiles)				
In this studio paper students will continue to explore and articulate creative responses to design challenges through critical inquiry into contemporary issues relevant to textile design. Students will further develop and apply core design techniques, skills and processes.				
223.301	15 credits	S1	I	WL
Contemporary Wallcoverings				
In this studio paper students will design and develop collections for wallpaper and wall coverings, with emphasis on creative investigation and forecasting.				
223.312	15 credits	S2	I	WL
Textile Interactions				
In this studio paper students will explore the design, development and construction of textiles for installation, exhibition or performance.				
223.328	15 credits	*	*	*
Textile Design Special Topic B				
The paper focuses on one specific aspect of textile design. Offerings change from year to year or may not be offered in a particular year.				
223.357	30 credits	S1	I	WL
Design Studio IIIA (Textiles)				
In this studio paper students will establish a critical position through individual or collaborative creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand textile design concepts, techniques, skills and processes in the production of their creative work.				
223.358	30 credits	S2	I	WL
Design Studio IIIB (Textiles)				
In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist skills to a range of contexts. In addition to advancing textile design concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.				
223.403	15 credits	*	*	*
Multimedia Textiles				
Advanced design and development of creative multi media textiles through the exploration of new technology processes.				
223.407	15 credits	*	*	*
Materials Research and Experimentation				
In this studio paper students will apply a research-informed exploration and critical evaluation of new or specialised textiles and products for design. This investigation can include the creation of new and innovative materials.				
223.453	30 credits	S1	I	WL
Textile Design Research and Development				
Research methods processes and practices for Textile Design and their application through a research project.				
223.454	45 credits	S2	I	WL
Textile Design Research Project				
Application of research to the development and production of an approved textile design project.				
223.455	45 credits	S2	I	WL
Textile Design Studio Project				
Development and realisation of an advanced textile design project.				
223.490	15 credits	S1	I	WL
Textile Design Special Topic C				

		Sem	Mode	Loc
223.491	15 credits	S1	B1	WL
Textile Design Special Topic D				
223.495	15 credits	*	*	*
Textile Design Independent Study				
Supervised independent student work on a negotiated topic related to textile design involving the setting of objectives, research and/or project work and the presentation of appropriate written and/or practical outcomes.				

224

SPATIAL DESIGN

224.157	15 credits	S1	B1	WL
Studio I (Space)		S2	B3	WL
In this studio paper students will be introduced to creative and analytical thinking skills, idea generation and visualisation common to art and design practice. They will begin to acquire specific techniques, skills and processes for the definition and investigation of physical, temporal and digital spatial environments and their inhabitation. They will learn to discuss and evaluate their work and the work of their peers.				
224.204	15 credits	*	*	*
Performance Practices				
In this studio paper students will explore design issues particular to performance. Students will apply their investigation through the design or production of a performance environment or event.				
224.205	15 credits	S1	I	WL
Display Practices				
In this studio paper students will investigate concepts and design strategies of exhibitions as temporary interventions in public space.				
224.257	30 credits	S1	I	WL
Design Studio IIA (Spatial)				
In this studio paper students will explore and articulate creative responses to design challenges through critical awareness of contextual issues. Students will develop and apply core techniques, skills and processes in spatial design.				
224.258	30 credits	S2	I	WL
Design Studio IIB (Spatial)				
In this studio paper students will continue to explore and articulate creative responses to design challenges through critical inquiry into contemporary issues relevant to spatial design. Students will further develop and apply core design techniques, skills and processes.				
224.302	15 credits	*	*	*
Spatial Design Special Topic A				
This paper focuses on one specific aspect of spatial design. Offerings may change from year to year or may not be offered in a particular year.				
224.303	15 credits	*	*	*
Spatial Design Special Topic B				
This paper focuses on one specific aspect of spatial design. Offerings may change from year to year or may not be offered in a particular year.				
224.306	15 credits	S2	I	WL
Game Space				
In this studio paper students will focus on the development of real-time interactive digital environments using game technology. The design constraints and opportunities of game engines will be explored through the development of a range of digital spatial environments.				
224.307	15 credits	SS	I	WL
Furnishings				
In this studio paper students will, through a process of research-driven practice, investigate design issues particular to fashion, textiles and interior design. Students will apply their research in the production of concepts or prototypes for furnishings or furniture that radicalises the conventions of clothing and the interior.				
224.357	30 credits	S1	I	WL
Design Studio IIIA (Spatial)				
In this studio paper students will establish a critical position through individual or collaborative creative exploration and articulation. With opportunities for varied contextual applications, students will consolidate and expand spatial design concepts, techniques, skills and processes in the production of their creative work.				
224.358	30 credits	S2	I	WL
Design Studio IIIB (Spatial)				
In this studio paper students will negotiate a critical position through individual or collaborative professional practices, with opportunities to apply their specialist skills to a range of contexts. In addition to advancing spatial design concepts, techniques, skills and processes in the production of their creative work, students will develop and apply transferable skills relevant to professional environments.				

224.402	15 credits	*	*	*
Spatial Strategies in Sustainable Design				
Development and realisation of an advanced sustainable design project.				
224.453	30 credits	S1	I	WL
Spatial Design Research and Development				
Research methods, processes and practices for Spatial Design and their application through a research project.				
224.454	45 credits	S2	I	WL
Spatial Design Research Project				
Application and development of research in an independent spatial design project.				
224.455	45 credits	S2	I	WL
Spatial Design Studio Project				
Development and realisation of an advanced spatial design project.				
224.490	15 credits	*	*	*
Spatial Design Special Topic C				
The paper focuses on particular aspects of advanced Spatial Design. Offerings change from year to year or may not be offered in a particular year.				
224.495	15 credits	*	*	*
Spatial Design Independent Study				
Supervised independent student work on a negotiated topic related to spatial design involving the setting of objectives, research and/or project work and the presentation of appropriate written and/or practical outcomes.				

227

VETERINARY SCIENCE

227.110	0 credits	S2	B1	PN
Farm Practical Training				
A week-long practicum during which students will learn practical skills for working with livestock, farm safety and understanding farm-level agricultural economics.				
227.111	12 credits	S2	I	PN
Biochemistry for Veterinary Science				
A study of cellular processes at the molecular level: Proteins, enzymes and membranes. Energy changes in chemical reactions. Description of the major processes of carbohydrate, lipid and amino acid metabolism. Integration and regulation of metabolism in animals. A laboratory course emphasising biochemical techniques of wide application.				
227.112	13 credits	S2	I	PN
Veterinary Structure & Function I				
This paper considers the basic concepts that underpin the study of structure and function of domestic animals. Following this introductory component, the locomotor systems are examined in detail. This paper will lead into the structure and function paper delivered in BVSc 2 and together these papers will consider all relevant aspects of the structure and function of the domestic animals.				
227.113	16 credits	S2	I	PN
Animal Production, Behaviour, Welfare and Handling				
The animal industries and the principles of ethology and animal welfare and their application to domestication, husbandry and production of farm, companion and sport animals and veterinary science. The principles and practice of safe animal handling and restraint. The diagnosis, treatment and prevention of animal behaviour problems.				
227.114	7 credits	S2	I	PN
Veterinary Professional Studies				
This paper will enable veterinary students to understand the professional and personal aspects of being a veterinarian, including their obligations to themselves, their colleagues, their profession and society. It emphasizes the non-technical aspects of veterinary science. It encourages an holistic view of the profession and equips students with the tools to function effectively as a collegial and effective veterinarian, whilst enjoying health, vitality and the motivation for lifelong learning.				
227.115	12 credits	S2	I	PN
Integrative Studies in Veterinary Science I				
This paper is the first in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent veterinary learning will be undertaken at a level appropriate to that of a first year veterinary student. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.				
227.211	46 credits	DS	I	PN
Veterinary Structure and Function II				
This paper follows on from Structure and Function I in BVSc I. Together the two papers will examine in detail all relevant aspects of the structure and function				

of the domestic animals. Topics dealt with in this paper will include the: thorax; abdomen; head and central nervous system. Comparative studies of aspects of structure and function that show significant variation between the domestic animals.

227.212	15 credits	S1	I	PN
Animal Production for Veterinarians 1				
Introduction to animal nutrition, including feed analysis. Nutrition and management of monogastric species, including pigs, poultry and equids. Pastoral livestock production systems, including the growth and management of pasture as an animal feed. Soil resources, the environmental impacts of pastoral agriculture and consideration of the various animal industries. Animal genetics and breeding.				
227.213	10 credits	S1	I	PN
Introductory Veterinary Clinical Studies I				
An introductory course in handling, examining, recording and interpreting findings in common species of domestic animals. Recognition of the normal animal, taking routine samples for diagnosis and problem based approach to diagnosis. Fundamentals of veterinary epidemiology; application of epidemiological principles to simple population medicine problems.				
227.214	12 credits	S1	I	PN
Integrative Studies in Veterinary Science II				
This paper is the second in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a second year veterinary student. Aspects of this paper will particularly focus on the integration of biochemistry with animal science, physiology and disease processes. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.				
227.215	15 credits	S2	I	PN
Animal Production for Veterinarians II				
Ruminant production systems (including dairy and beef cattle, sheep, goats, deer); application of knowledge related to nutrition, growth, reproduction, lactation and management of young and adult stock.				
227.216	10 credits	S2	I	PN
Veterinary Infectious and Parasitic Diseases I				
An introduction to the viral, bacterial and parasitic pathogens of animals. The basic biology of various infectious agents, with an emphasis on how the basic characteristics of different pathogens relate to their ability to survive in nature. Further development of the principles of epidemiology, diagnosis and control of infectious diseases of veterinary importance that were introduced in Introductory Veterinary Clinical Studies I.				
227.217	12 credits	S2	I	PN
Integrative Studies in Veterinary Science III				
This paper is the third in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a second year veterinary student. Aspects of this paper will particularly focus on how perturbations of the gastrointestinal system cause disease; and upon an ability to interpret primary research results. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.				
227.310	0 credits	S1	I	PN
BVSc Farm Practical Work				
In this paper students will undertake farm work in cattle, sheep, horse and other livestock industries. Students will develop practical animal skills, and skills in observation, identification, analysis and communication.				
227.311	22 credits	DS	I	PN
Farm Animal Population Health and Production				
The role of the veterinarian as a key agricultural advisor. Causes and investigation of sub-optimal health and production in farmed species, focusing on groups of animals rather than individuals. Relationships between farm management, husbandry, productivity, health and welfare. Treatment and prevention of sub-optimal health and production, including consideration of costs and benefits.				
227.312	19 credits	DS	I	PN
Veterinary Infectious and Parasitic Diseases II				
This paper extends the material covered in Veterinary Infectious and Parasitic Diseases I by covering the viral, bacterial, fungal, helminth, arthropod and protozoal pathogens of animals and their role in infectious disease and zoonosis. Epidemiology, pathogenesis, diagnosis, prevention, treatment and control of infectious diseases and the immunology of vertebrate hosts. Zoonoses, the role of the veterinarian in emerging diseases, introduction to veterinary public health				
227.313	21 credits	DS	I	PN
Veterinary Anatomic and Clinical Pathology I				
General pathology. Anatomic and clinical pathology of body systems, including pathophysiology, gross and microscopic lesions. Interpretation of necropsy and laboratory test results (including haematology, serum biochemistry, urinalysis,				

serology, histology and cytology) for the diagnosis of disease. Specimen collection and handling, test selection, and performance of basic laboratory tests.

227.314 **12 credits** S1 | PN

Introductory Veterinary Clinical Studies II

This paper provides the basic principles and skills which are the foundation of clinical work. It covers the principles of pharmacology which provide the basis for therapeutics, the principles of anaesthesia and the skills required to use anaesthetic equipment, the principles of surgery and the basic skills required, the different methods for imaging animals, with emphasis on radiology and the practical aspects of taking and interpreting diagnostic radiographs.

227.315 **12 credits** S1 | PN

Inegrative Studies in Veterinary Science IV

This paper is the fourth in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a third year veterinary student. This paper will particularly focus on the pathophysiology of disease, alongside the development of professional behaviours. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.

227.316 **18 credits** S2 | PN

Small Animal and Equine Medicine, Surgery and Therapeutics I

The first of a series of three papers that covers aetiology, pathogenesis, diagnosis and treatment of common and important medical and surgical conditions of companion animals (including equine and small mammals) and wildlife. The paper particularly focuses upon the integumentary system, avian medicine and small mammals. In addition, it covers toxicology, ophthalmology, dentistry and nutrition.

227.317 **12 credits** S2 | PN

Integrative Studies in Veterinary Science V

This paper is the fifth in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a third year veterinary student. This paper will particularly focus on the interaction between therapeutic substances and disease states, alongside the development of professional behaviours. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.

227.401 **10 credits** S1 | PN

Veterinary Clinical Pathology

Use of laboratory procedures for diagnosis of clinical and subclinical disease, including haematology, serum biochemistry, urinalysis, cytology, clinical immunology, microbiology and parasitology. Specimen collection and handling, test selection, performance of basic laboratory tests and interpretation of results. Diagnostic anatomical pathology including necropsies.

227.402 **19 credits** DS | PN

Equine Clinical Studies

This paper integrates knowledge of structure, function and abnormality of body systems taught in previous papers, with information about equine diseases. This enables the student to diagnose diseases affecting horses, and to propose rational treatment and management. The paper will deal with aspects of medicine, surgery, reproduction, imaging and pharmacotherapy of horses, centred on a diagnostic and therapeutic approach to the sick animal. Learning modalities include lectures, tutorials, self-responsible learning and practicals. The paper also includes application of surgical and anaesthetic principles in teaching laboratories designed to develop surgical conscience and behaviours consistent with the practice of minimal tissue trauma, asepsis and competence in simple elective surgical and anaesthetic procedures.

227.403 **18 credits** DS | PN

Health and Production in Deer, Sheep and Goats

Medicine, surgery, management and productivity of sheep, goats and deer. Farm management and production systems and the relationship between management systems, productivity and patterns of disease. The aetiology, pathogenesis and diagnosis of disease. Treatment of disease, including the restoration of animals to normal levels of productivity. The application of health and production programmes to deer, sheep and goat farming.

227.404 **18 credits** DS | PN

Cattle Health and Production

Medicine, surgery, management and productivity of beef and dairy cattle. Farm management and production systems and the relationship between management systems, productivity and patterns of disease. The aetiology, pathogenesis and diagnosis of disease. Treatment of disease, including the restoration of animals to normal levels of productivity. The application of health and production programmes to beef and dairy cattle.

227.405 **38 credits** DS | PN

Small Animal Medicine and Surgery

The aetiology, pathogenesis, diagnosis and treatment of medical and surgical conditions of working dogs and companion animals; including dogs, cats, caged birds, reptiles, rodents, lagomorphs and other species commonly kept as

companions. The paper also includes application of surgical and anaesthetic principles in teaching laboratories designed to develop competence in simple elective surgical and anaesthetic procedures.

227.406 **7 credits** S2 | PN

Pig Health, Production and Management

Medicine, surgery, management and productivity of pigs. Farm management and production systems and the relationship between management systems, productivity and patterns of disease. The aetiology, pathogenesis and diagnosis of disease. Treatment of disease, including the restoration of animals to normal levels of productivity. The application of health and production programmes to pigs. Housing of pigs, aspects of indoor and outdoor management of pigs, and aspects of genetics and nutrition are also included.

227.408 **10 credits** S2 | PN

Veterinary Epidemiology and Economics

Principles of applied veterinary epidemiology including patterns of disease, investigation of disease in animal populations, interpretation of diagnostic tests, observational studies and critical appraisal of the literature. The influence of veterinary services on the economic and financial performance of animal enterprises.

227.410 **0 credits** DS | PN

BVSc Veterinary Practical Work

During this paper, students will undertake practical work in external veterinary practices under the supervision of a registered veterinarian, to develop clinical skills and gain experience of client-based veterinary practice.

227.411 **16 credits** * * *

Veterinary Anatomic and Clinical Pathology II

Further study of anatomic and clinical pathology of additional body systems which builds upon and extends information given in Veterinary Anatomic and Clinical Pathology I. Pathophysiology, gross and microscopic lesions. Interpretation of necropsy and laboratory test results (including haematology, serum biochemistry, urinalysis, serology, histology and cytology) for the diagnosis of disease. Specimen collection and handling, test selection, and performance of basic laboratory tests.

227.412 **6 credits** * * *

Integrative Studies in Infectious Diseases

Integrate and apply knowledge and skills acquired in previous years in order to effectively diagnose, manage and control infectious and parasitic diseases in real and simulated scenarios

227.413 **12 credits** * * *

Cattle Health, Production, Population Medicine and Therapeutics

Medicine, surgery, management and productivity of beef and dairy cattle. Farm management and production systems and the relationship between management systems, productivity and patterns of disease. The aetiology, pathogenesis, diagnosis and treatment of disease; restoration of animals to normal levels of productivity. The application of health and production programmes to beef and dairy cattle.

227.414 **25 credits** * * *

Small Animal and Equine Medicine, Surgery and Therapeutics II

The second of a series of three papers that covers aetiology, pathogenesis, diagnosis and treatment of common and important medical and surgical conditions of companion animals. The paper particularly focuses on gastroenterology of cats and dogs and the urogenital and endocrine systems of cats, dogs and horses. Equine lameness and wound management, along with application of surgical and anaesthetic principles in teaching laboratories designed to develop competence in simple elective surgical and anaesthetic procedures.

227.415 **12 credits** * * *

Integrative Studies in Veterinary Science VI

This paper is the penultimate in a series of integrative and contextualizing studies that will extend through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a fourth year veterinary student. This paper will particularly focus on diseases that are exotic to New Zealand, and will require students to undertake a major literature research project. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.

227.416 **12 credits** * * *

Integrative Studies in Farm Animal Health and Production and Veterinary Public Health

Integration of veterinary medicine and whole farm systems. Farm management and production systems and the relationship between management systems, productivity and patterns of disease. The development of health and production programmes to minimise disease and maximise animal production. The principles and practical applications of veterinary public health, meat hygiene and quality assurance programmes.

227.417 **25 credits** * * *

Small Animal and Equine Medicine, Surgery and Therapeutics III

The final of a series of three papers that cover aetiology, pathogenesis, diagnosis and treatment of common and important medical and surgical conditions of companion animals. The paper particularly focuses upon the cardio-respiratory system, the haemo-lymphatic system, the musculo-skeletal system, neurology and oncology of companion animals (dogs, cats and horses); together with equine reproduction, neonatology and gastroenterology.

227.418 **12 credits** * * *

Integrative Studies in Veterinary Science VII

This capstone paper is the final in a series of 7 papers in integrative and contextualizing studies that have extended through Years 1 to 4 of the BVSc programme. A case- and problem-based approach to the integration of concurrent and previous veterinary learning will be undertaken at a level appropriate to that of a pre-final year veterinary student. This paper will particularly focus on the professional abilities of students, and their ability to synthesise heuristic 'illness scripts' and other intellectual shortcuts based upon the precepts of diagnostic reasoning. Students will be encouraged to develop a variety of problem solving strategies and professional competencies through the analysis of a broad range of clinical situations.

227.501 **9 credits** DS I PN

Veterinary Professional Studies

Elements of the legal system regulating veterinarians. Professional ethics and obligations to the public and state. Veterinary professional organisations. Veterinarians as communicators and educators. Maintenance of physical and mental fitness and safety as a veterinarian. Veterinary business management.

227.502 **15 credits** DS I PN

Veterinary Public Health, Food Safety and Quality Management

The principles and practical applications of veterinary public health, meat hygiene and quality assurance programmes. Veterinary aspects of the quality assurance of foods of animal origin to meet national and international standards. The application of quality management to veterinary professional activities. Control of residues, zoonoses and food-transmitted diseases. Practical experience of food industries obtained through placements for work in an abattoir.

227.503 **96 credits** DS I PN

Veterinary Clinics

This course provides tuition, demonstration and clinical experience in surgery, anaesthesia, medicine, epidemiology and theriogenology of animals; health and management of production animals; diagnostic procedures, including imaging, necropsies and laboratory tests; and diagnostic reasoning. Students will need to complete all compulsory elements including external placements and will be provided with opportunities to gain further experience in chosen areas.

227.511 **120 credits** DS I2 PN

Veterinary Clinics and Public Health

Tuition, demonstration and clinical experience in surgery, anaesthesia, medicine, epidemiology and theriogenology of domestic animals; health and management of production animals; diagnostic procedures, including imaging, necropsies and laboratory tests; and diagnostic reasoning. Professional ethics and legislative obligations to the public and state; the role of veterinary professional organisations and veterinarians as communicators and educators, veterinary business management and the maintenance of physical and mental fitness as a veterinarian. Principles and practical applications of veterinary public health, meat hygiene and quality assurance programmes to meet national and international standards will also be taught. Opportunities for students to gain further experience in chosen areas of interest.

228

TECHNOLOGY AND ENGINEERING

228.110 **0 credits** SS I AL
Practicum I SS I PN

Working in an industrial or commercial setting to gain real experience and apply knowledge, providing a foundation for a future career in industry. Continued development of the skills required to become a professional engineer and technologist.

ENGINEERING

228.111 **15 credits** S1 I AL
Engineering Practice 1: Global Perspectives S1 I PN
S2 I1 AL

Engineering is the application of mathematics, science and technology principles, integrated with business and management, to develop and provide products and processes for industry and the community. In this paper you will help solve problems faced by many people in need. Concepts of systematic problem solving, communication and self assessment form an integral part of this project focused paper.

228.112 **15 credits** S2 I AL

Engineering Practice 2: Creative Solutions

Engineering is the application of mathematics, science and technology principles, integrated with business and management, to develop and provide products and processes for industry and the community. This paper allows you to develop your creative skills and encourages a thirst for knowledge. The development of engineering design, prototyping, teamwork and communication through design form an integral part of this project focused paper.

228.153 **15 credits** S2 I AL

Introductory Engineering Studies

A broad description of the nature of engineering and technology and the roles of engineers and technologists in society and industry. The range of engineering and technology disciplines will be presented together with an introduction to the core skills of practitioners including some fundamentals of engineering science, teamwork and presentation skills.

228.171 **15 credits** S1 I AL

Engineering Mathematics 1A

This paper provides a solid mathematical foundation for further studies in engineering and technology. It consolidates basic concepts and introduces more advanced material on differentiation and numerical techniques, enabling the formation of mathematical models of real-world problems. The paper blends topics from calculus with those from linear algebra and includes matrices, linear equations, vectors and geometry.

228.172 **15 credits** S2 I AL

Engineering Mathematics 1B

This paper builds on the foundation provided by 228.171. Together these papers provide a mathematical platform for more advanced studies in engineering and technology. The topics are a blend of calculus and linear algebra, including complex numbers, linear transformations, eigenvectors, advanced techniques of integration, differential equations and applications.

TECHNOLOGY AND ENGINEERING

228.210 **0 credits** SS I AL

Practicum II

Working in an industrial or commercial setting to gain real experience and apply knowledge, providing a foundation for a future career in industry. Continued development of the skills required to become a professional engineer and technologist.

ENGINEERING

228.211 **15 credits** S1 I AL

Engineering Practice 3: Product Development

The development of new and improved products is a key role of most practicing engineers. This paper provides the structured process and tools required for successful product development in the context of an applied project.

228.212 **15 credits** S2 I AL

Engineering Practice 4: Materials & Manufacturing

The design and development of solutions to engineering problems with "concurrent engineering" capability is a core activity for engineers. A practical course with emphasis on integrating materials and manufacturing process selection into a structured design methodology based on the application of engineering and scientific principles.

AGRICULTURAL ENGINEERING

228.251 **15 credits** S2 DL PN

Sustainable Energy Systems

A study of current and future energy supplies to New Zealand society and industry with particular emphasis on renewable energy sources such as solar, wind and biomass. Energy management and conservation. The use of energy, including electrical reticulation, liquid transport fuels, heating, cooling, cogeneration and remote area power supply systems. Energy costs and environmental implications. Related laboratory work.

ENGINEERING

228.271 **15 credits** S1 I AL

Engineering Mathematics 2

This is a core paper that provides key mathematical tools for modelling and analysing engineering problems. These tools represent a balance of stochastic and deterministic modelling approaches along with their mathematical underpinnings. Topics include random variables and distributions; analytical and numerical solution methods for linear systems of ordinary differential equations including Laplace transform techniques; sensitivity analysis, optimization, curve-fitting and interpolation for data sets.

TECHNOLOGY AND ENGINEERING

228.310	0 credits	SS	I	AL
Practicum III		SS	I	PN
Working in an industrial or commercial setting to gain real experience and apply knowledge, providing a foundation for a future career in industry. Continued development of the skills required to become a professional engineer and technologist.				

ENGINEERING

228.311	30 credits	DS	I	AL
Engineering Practice 5: Engineering Design with Constraints		DS	I	PN

Technology must be effectively interfaced with society and the environment to succeed. Overarching social and environmental constraints are applied, including impact assessment and efficiency analysis tools. Project based learning is undertaken on the sustainable design of a consumer product underpinned by appropriate technical knowledge.

228.312	30 credits	DS	I	PN
Engineering Practice 5: Process Engineering with Constraints				

Technology must be effectively interfaced with society and the environment to succeed. Overarching social and environmental constraints are applied, including impact assessment and efficiency analysis tools. Project based learning is undertaken on supply of utility inputs and waste treatment outputs to an industrial process.

228.340	15 credits	S1	I	SP
Industrial Research Techniques				

The application of mathematics to technological and industrial problem-solving with emphasis on optimisation, system identification through experimentation with designed experiments and multivariate analyses using computer-based statistical packages such as Minitab. Emphasis on application to quality assurance and quality control. A practical course.

228.371	15 credits	S1	I	AL
Statistical Modelling for Engineers and Technologists		S1	I	PN

This is a core paper that provides essential grounding in statistical inference and modelling for engineers and technologists. Students will learn how to develop statistical models to describe random phenomena, and use them to test engineering questions of practical interest.

AGRICULTURAL ENGINEERING

228.400	15 credits	*	*	*
Renewable Energy Resource Engineering				

The design and operational analysis of renewable energy supply systems using natural resources, particularly wind, solar, micro-hydro and biomass. Case study evaluations and site visits. Economic and social issues of independent power supply systems.

ENGINEERING

228.499	30 credits	*	*	*
Research and Development Project				

Students conduct individual research & development projects in which they identify a R&D idea within the context of the literature or an industry need; design and perform R&D work; analyse results; draw conclusions; make recommendations; and present results in written and oral form appropriate for the audience.

228.711	30 credits	DS	I	AL
Engineering Practice 6: Design Capstone Project		DS	I	PN

This paper marks the culmination of the BE(Hons) degree, that integrates the skills and knowledge acquired throughout the programme. It places specific emphasis on a commercial basis for complex engineering problem solving where success will be measured not only by the elegance of the engineering solution but also by the appropriateness of that solution within a defined commercial context.

228.732	30 credits	DS	DL	AL
Packaging Materials				

Basic functions of packaging and their relationship to the needs and demands of society. Includes studying the chemical and physical nature of packaging materials, including paper, paperboard, glass, plastics, metal foils and sheets, wood and cushioning media. Basic properties will be reviewed in relation to packaging performance. This course will introduce the mechanics of materials, including stress, tension, compression and shear. Laboratory sessions may be included.

228.733	15 credits	S2	B1	AL
Packaging Technology II				

Packaging and the environment, solid waste management and packaging, including New Zealand Approach - Packaging Code of Practice; German Approach - Green Dot; EU Packaging Directive; other international approaches. Options for packaging reduction, reuse, recycling. Closures, child-resistant packaging, tamper-evident systems. Case and carton filling systems, and packaging line efficiency determination and design. Factory visits.

228.734	15 credits	*	*	*
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Packaging Design Technology

Development of package and package systems for products, including elements of two- and three-dimensional design. Application of graphics design to package development, and the interaction between graphics designer and package designer/developer. Relationship between the package and product marketing. Consumer evaluation techniques for package evaluation. Factory visits and practical work.

228.735	15 credits	*	*	*
Packaging Technology III				

Package design to optimise space and area utilisation during palletisation and subsequent distribution. Application of the Theory of Constraints to packaging production, Jonah Thinking processes and the packaging project management systems. Filling technologies for powders and liquids. Factory visits.

228.736	15 credits	S1	B1	AL
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Fast-Moving Consumer Goods Packaging

Systems to develop packaging systems for Food and Fast-Moving Consumer Goods (FMCG). Driving forces for development of packaging systems. Canning technology, modified atmosphere packaging and freezing systems. Packaging systems of pharmaceutical and drug products, medical products, and cosmetic and personal care products. Factory visits and laboratory work.

228.740	15 credits	DS	DL	PN
Energy Policy		DS	I	PN

The objective of this unit is to provide an understanding of the public policy processes and institutions that give rise to the shape, direction and outcomes in the energy sector. The sources of energy policy objectives are explored and the range of policy instruments to achieve such objectives is outlined. Political and economic drivers of policy formation are explored in the areas of fossil fuel policy, nuclear energy, the global environment, renewable energy, and energy sustainability.

228.741	15 credits	DS	DL	PN
Energy Systems		DS	I	PN

An introduction to the design and operation of energy conversion and supply systems. The focus is on the principal small-to-medium scale energy systems currently in use in Australia. Key areas covered include engine-based RAPS systems, hybrid systems, photovoltaic systems, wind power systems and solar thermal systems. Co-generation systems, fuel cells and microhydro systems are also considered.

228.742	15 credits	S1	DL	PN
Energy Economics		S1	I	PN

Covers the economic theory relevant to the energy sector, including discounted cash flow analysis, levelised cost, benefit-cost analysis and the internalising of externalities. Another major topic will be price determination and risk management. Attention is given to open access to energy facilities, the taxation of the energy sector, and the role of public utilities and government industry regulators. The unit emphasises that the role of the market should always be considered within the broader ecological and social context.

228.743	15 credits	S1	DL	PN
Energy Management		S1	I	PN

A study of the efficient use of energy in buildings, factories and transport systems; techniques for measuring and monitoring energy use; approaches to optimising the performance of electrical appliances and systems; design principles to minimise energy use in buildings and devices and an assessment of the relative costs of energy conservation and energy production in various applications. The unit will include an energy audit and a project report on the results and conclusions.

228.744	15 credits	DS	DL	PN
Case Studies of Renewable Energy Systems		DS	I	PN

Through a set of case studies of renewable energy systems the principles of innovation, project management, demonstration and commercialisation are developed. These studies include grid connected and remote area applications of the major renewable energy technologies. The unit also includes a review of the renewable energy industry, the financing of major projects and a discussion of evaluation methods for renewable energy projects.

228.745	15 credits	S1	DL	PN
Renewable Energy Conversion Devices		S1	I	PN

This unit describes the principles of operation, the design, and the particular installation requirements of the major renewable energy power generation devices, including photovoltaic cells, wind turbines, and solar thermal collectors. The devices used to convert or control power flows within systems are also discussed in terms of their function and operational requirements. These include inverters, maximum power point trackers and battery charge controllers. The various energy storage options are also discussed.

228.746	15 credits	S1	DL	PN
Renewable Energy Resources		S1	I	PN

This unit examines the availability and distribution of various renewable energy resources such as solar radiation, wind, hydro, tidal, wave and biomass. The methods for measuring, monitoring and analysing these resources are described

and some practical sessions are undertaken to illustrate these procedures. Principles for undertaking a resource assessment for a particular site are presented. This includes sources of data, analysis of that data and estimation of data when actual data is not available.

228.747 15 credits DS DL PN

Renewable Energy Systems Design DS I PN

This unit focuses on the design of renewable energy systems and in particular, on estimating the performance and economics of such systems. It will focus heavily on the use of computer-based design and simulation programs to estimate these parameters. The input data requirements, method of operation, and strengths and weaknesses of these computer-based tools will be presented. Students will use many of these computer-based tools to solve component sizing and design problems.

228.748 15 credits S1 DL PN

Greenhouse Science and Policy S1 I PN

This unit presents a study of the scientific theory of global warming, the natural and enhanced greenhouse effect, causes of global warming, climate modelling and experimental evidence relevant to testing these models. It covers the consequences of global warming, climate change scenarios, greenhouse gas abatement strategies and social and technological approaches to mitigation and adaptation. Greenhouse policies, national and international frameworks, legal aspects, economic and fiscal measures will be examined.

228.750 15 credits S2 DL PN

Renewable Energy and Sustainable Development S2 I PN

Addresses the challenges of assessing, designing, introducing and maintaining small scale renewable energy technologies in developing countries, particularly in rural areas. It is here that the big increases in global population and energy demand are predicted to occur over the coming two decades. Views the problem in a holistic, rather than a purely technical way. Adopts a broad description of what constitutes renewable energy technology since most energy in developing countries rural areas is currently derived from traditional renewable sources.

228.751 15 credits * * *

Technical Update

This paper consists of two major sub-modules; one sub-module focused on the specialist interest and needs of the participant and the second sub-module related to a general review of the current state of the art of the ICT sector and likely and possible future developments.

228.752 15 credits * * *

Essential Professional Studies

The essentials of: project management, financial management, business processes, product development and innovation, advanced communication skills, teams and team skills.

228.753 15 credits * * *

Sector Study

An in-depth, multifactor study of a major development or issue within the broadly defined ICT sector carried out on a team basis. This module is to be organised as a group project.

228.754 15 credits * * *

Integrated Professional Studies

Guided study and readings in ethics and professional standards, marketing of ICT services, national and international standards and codes for ICT products and services, and customer-focussed service concepts. An individual or group project on some agreed aspect of the participant's employing organization, concentrating on the topics studied in all four modules of the qualification.

228.755 15 credits S1 DL PN

Sustainable Energy Systems and Society S1 I PN

An overview of low carbon, clean energy, energy efficiency and renewable energy systems from a global perspective that can provide energy services to society in relation to targets for reduction of greenhouse gas emissions and climate change impacts. Scenario evaluations of energy supply and demand options, food supply issues, social and environmental co-benefits, policy drivers and links to energy security and sustainable development will be studied.

228.756 15 credits DS DL PN

Energy Efficiency (Systems Analysis and Auditing) DS I PN

Energy survey techniques and auditing, mass and energy balances, thermodynamics, energy analysis, air psychrometrics, heat transfer, introductory process integration (pinch technology).

228.757 15 credits * * *

Energy Efficiency (Industrial and Commercial Technology)

Advanced process integration (pinch technology), heat exchangers, cogeneration, boilers, supply of mechanical power (including electric motors), refrigeration and heat pumps, pumps and fans, dryers, some selected separation and concentration processes.

228.759 15 credits * * *

Applied Energy Management

This paper identifies energy cost saving opportunities resulting from the uptake of both established and new energy efficiency technologies. Cost-benefit analyses will be undertaken based on case studies and proven methodologies. Topics include energy auditing, benchmarking, financial analysis (beyond pay-back), energy management and the triple bottom line, monitoring and targeting, the New Zealand energy market, electrical, mechanical and thermal efficiency, design optimisation (new construction), developing a five year energy management plan, energy purchasing (fuel choices, tariff types, demand charges), load management, renewable energy. Relevant government strategy and policy programmes such as NEECS, Kyoto and climate change are discussed.

228.766 15 credits DS DL PN

Integrated Energy Resource Planning DS I PN

Analytical concepts and tools necessary to approach the problem of planning an adequate energy supply and demand balance across an economy at the local, national or regional levels. Use of Integrated Resource Planning methodology as a tool for the systematic analysis of the energetic, environmental and economic costs and benefits of future energy alternatives.

228.767 15 credits DS DL PN

Greenhouse Gas Mitigation Analysis DS I PN

Principles of greenhouse gas accounting and the application of sound and verifiable analysis for greenhouse gas mitigation projects. The evolution of regulated and voluntary carbon markets and the development of international monitoring and verifications protocols. Examples from selected greenhouse gas mitigation projects including Kyoto-compliant verified emission reductions (VERs), certified emission reduction and other GHG-offsets traded on international carbon markets.

228.768 15 credits * * *

Energy Performance of Buildings

Factors affecting the energy performance of buildings: building design, selection and operation of energy end-use technologies. Topics include efficient, passive and solar designs, energy audits, lighting, HVAC and other building services, smart controls and metering, building energy rating schemes, energy performance contracting of building services.

228.769 15 credits S1 DL PN

Energy-Efficient Building Design S1 I PN

This unit examines approaches to reducing energy consumption in residential and commercial buildings resulting from the design and use of the building and its energy services. The unit covers the principles of energy efficient building design as well as use and interpretation of energy and sustainability audits. Identification of options for reducing energy use through renovation and retrofitting as well as occupant behaviour are also covered.

228.772 30 credits DS I AL

Advanced Topics in Technology and Engineering DS I PN

Critical reviews, case studies, advanced study and/or research into selected aspects of Technology and Engineering.

228.774 30 credits * * *

Advanced Topics in Information Sciences and Technology

Critical reviews, case studies, advanced study and/or research into selected aspects of Information Science and Technology.

228.791 15 credits S1 I PN

Special Topic

228.792 30 credits DS I PN

Special Topic

228.797 15 credits S1 I AL

Research Methods in Engineering S1 I PN

Research methods for students in engineering and technology. Topics include: statistical design of research experiments; hypothesis testing; use of statistical models to test engineering questions; data analysis; literature searches; development of research proposals; critical assessment of scientific literature.

228.798 30 credits DS I AL

Individual Research Project DS I PN

A comprehensive study of a specific area of engineering or technology employing appropriate research practice to derive recommendations with respect to a pre-determined hypothesis.

228.799 30 credits DS I AL

Research Report DS I PN

Research in a defined area of Technology and Engineering.

228.801 15 credits S1 I PN

Special Topic

228.893 45 credits S2 I AL

Research Report S2 I PN

A research dissertation on an agreed topic.

		Sem	Mode	Loc
228.894	30 credits	DS	DL	PN
Research Report		DS	I	AL
Research in a defined area of Technology and Engineering.				
228.895	60 credits	DS	DL	PN
Research Report		DS	I	AL
		DS	I	PN
228.896	60 credits	DS	I	PN
Research Report - Industrial Automation				
228.897	60 credits	DS	I	AL
Thesis 120 Credit Part 1		DS	I	PN
A supervised and guided independent study resulting in a published work.				
228.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.				
228.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				

PRODUCTION TECHNOLOGY

228.900	120 credits	DS	I	AL
PhD Engineering		DS	I	PN
		DS	I	WL

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HUMANITIES AND SOCIAL SCIENCES

230.001	15 credits	S1	I	PN
Bridging the Humanities		S2	I	PN
This paper provides students with a structured and focused introduction to the Humanities. It draws on selected examples of subject studies and provides further opportunity to conceptualise critical ideas and practice oral and written expression.				
230.002	15 credits	S1	I	AL
Bridging the Social Sciences		S2	I	AL
This paper provides students with a structured and focused introduction to the Social Sciences. It draws on historical and contemporary examples to illustrate the impact of important events and ideas upon modern social sciences.				
230.100	15 credits	S1	I	AL
Introduction to Academic Writing		S1	I	PN
This paper is designed to help students in any discipline, and especially those in the Humanities and Social Sciences, to write effectively at undergraduate level. While academic writing is the paper's main focus, students will practise a variety of writing tasks, including researched writing. Further, they will learn skills which can be used in many other contexts, both creative and practical. Students will practise revising their own and reviewing others' writing.				
230.102	15 credits	S1	I	AL
Pacific Peoples in New Zealand		S2	DL	AL
An introduction to the distinctive cultures of Pacific Peoples in New Zealand. Students will develop an understanding of core values, traditions, cultural protocols, social processes and world views that are characteristic of Pacific cultures in the New Zealand context.				
230.121	15 credits	S2	DL	PN
Future State: New Zealand in the 21st Century		S2	I	PN
An inter-disciplinary exploration of the pressing social, political and economic issues (present and future) facing New Zealand in the 21st century such as globalisation, inequality and environmental challenges from the perspectives of the social science disciplines of geography, anthropology, sociology and politics.				
230.291	15 credits	*	*	*
Special Topic HSS				
230.292	15 credits	*	*	*
Special Topic HSS				
230.301	15 credits	S1	I	AL
Social Science at Work				
An advanced course in the application of social science knowledge to real world challenges faced by local social agencies and organisations.				

		Sem	Mode	Loc
230.391	15 credits	S1	DL	PN
Special Topic HSS		S1	I	WL
230.392	15 credits	*	*	*
Special Topic Humanities & Social Sciences				
230.701	30 credits	S1	DL	WL
Evaluation: Theory and Principles				
An advanced examination of the context, theories, and principles of evaluation research, and what it means to undertake evaluative activity in a range of social sector settings.				
230.702	30 credits	S2	DL	WL
Professional Evaluation Practice				
An advanced level focus on what 'supports the craft' of evaluation practice: roles and expectations, professional management, ethical practice, innovation, and dissemination of findings.				
230.703	30 credits	S1	DL	WL
Techniques and Methods in Evaluation Research				
An in-depth examination of a range of qualitative, quantitative, mixed and innovative methods, skills and techniques as they would be applied to practical, 'real-life' evaluation questions.				
230.791	30 credits	S2	DL	PN
Special Topic Humanities & Social Sciences		S2	I	AL
		S2	I	PN
230.792	30 credits	*	*	*
Special Topic Humanities & Social Sciences				
230.793	15 credits	S2	DL	PN
Special Topic Humanities & Social Sciences				
230.794	15 credits	*	*	*
Special Topic Humanities & Social Sciences				
230.999	120 credits	*	*	*
Doctor of Literature Thesis				

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PUBLIC HEALTH

231.101	15 credits	S1	DL	AL
Introduction to Public Health and Research				
An introduction to public health concepts and health systems that are both internationally recognizable and of local importance to New Zealand. This course discusses the scope of public health practice and what influences population health in contemporary environments. Innovative approaches to public health research will be covered and emphasise those that constitute best practice in New Zealand.				
231.102	15 credits	S1	DL	AL
Determinants of Health				
An introduction to health inequalities in New Zealand. A basic understanding of the structural, social, economic and cultural determinants of health is covered. The relationship between inequity and health and the role of concepts like cultural safety and cultural competency to public health practice will also be discussed.				
231.103	15 credits	S2	DL	AL
Public Health Development and Evaluation				
An introduction to key international and local frameworks used in public health practice eg, Te Tiriti o Waitangi, Ottawa Charter and WHO social determinants frameworks. Their application to community development, health promotion and community action will be discussed. Values and diverse models of health will be explored. Basic concepts of evaluation will be applied in relation to public health practice.				
231.104	15 credits	S2	DL	AL
Public Health Policy and Advocacy				
An introduction to promoting and protecting public health based on an understanding of the influence of public health policy and advocacy on public health outcomes.				
231.701	30 credits	S1	B1	WL
Theory and Practice of Public Health				
This paper considers the theory and practice of public health in New Zealand. Topics include: epidemiology and biostatistics, Māori health, Pacific health, occupational health, environmental health, health programme evaluation, health economics and health policy in New Zealand.				
231.703	30 credits	S2	B1	WL
Epidemiology and Biostatistics				
This paper provides advanced education and training in the theory and practice of epidemiology. Topics include: epidemiology as a population science, cohort studies, case-control studies, prevalence studies, geographical and temporal				

variation, types of bias, confounding, data analysis, interpretation of findings of epidemiological studies, the use of epidemiology in health policy.

231.704 30 credits S2 B1 WL

Māori Health

This paper provides an overview and analysis of Māori public health. Topics include: traditional Māori public health systems, the Treaty of Waitangi and health, models of Māori health, Māori development and advancement health agendas, diverse Māori realities, services delivery models, approaches to Māori health research, Māori development policy.

231.705 30 credits * * *

Pacific Health

This paper provides an overview and analysis of Pacific health. Topics include: Pacific concepts of health; health effects of migration, urbanisation, demographic transition and economic development on Pacific people in Aotearoa and the Pacific; Pacific health promotion models and Pacific health policies. Pacific case studies will illustrate how providers can contribute effectively to Pacific development and improved Pacific health outcomes.

231.706 30 credits * * *

Occupational Health

This course provides an overview of the contribution that exposures in the occupational environment make to adverse health outcomes in the general population, and the appropriate methods of identifying and preventing occupational hazards. Topics include occupational diseases, industrial hygiene and exposure assessment, specific methods of occupational epidemiology, biological and chemical hazards, work physiology and ergonomics, exposure standards and regulatory practice.

231.707 30 credits S2 B1 WL

Environmental Health

An overview of the principles and practice of environmental health with particular reference to New Zealand. Topics will include environmental exposure assessment, environmental management and protection, and the health effects of outdoor and indoor air, water and soil pollution.

231.708 30 credits S2 B1 AL

Programme Evaluation

An overview of the principles and practice of public health, social and community programme evaluation with particular reference to New Zealand. Topics will include evaluation theory, strategic evaluation, evaluating community programmes, Treaty issues and evaluation, evaluation and culture, ethics, politics and evaluation, quantitative and qualitative evaluation methods, evaluation design, and reporting and interpretation of evaluation findings.

231.721 15 credits * * *

International Public Health

The theory and practice of public health in international perspective. Topics may include: international health policy, health security, health protection and promotion, descriptive epidemiology, introduction to occupational and environmental health, health programme evaluation, and health economics.

231.722 15 credits * * *

Communicable Disease Prevention and Control

Prevention and control of communicable disease, including epidemiology, international and national public health policy, and pandemic planning.

231.723 15 credits * * *

Epidemiological Methods

The theory and practice of epidemiology. Topics may include: epidemiology as a population science, cohort studies, case-control studies, prevalence studies, geographical and temporal variation, types of bias, confounding, data analysis, interpretation of findings of epidemiological studies, the use of epidemiology in health policy.

231.724 15 credits * * *

International Occupational and Environmental Health

An overview of the contribution that occupational and environmental exposures make to adverse health outcomes in the general population both nationally and internationally, and the appropriate methods of identifying and preventing occupational and environmental hazards.

231.799 30 credits DS DL WL

Research Report (30)

An investigation of a specific topic in public health, Māori health or Pacific health, which may include aspects of original research, problem investigation, and/or review of pre-existing data or published literature. Emphasis will be given to practical projects that arise out of the course participant's work in public health, Māori health development or Pacific health development.

231.816 60 credits DS DL WL

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

231.817 60 credits S1 DL WL

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

231.895 60 credits DS DL WL

Research Project

231.899 120 credits DS DL WL

Thesis

A supervised and guided independent study resulting in a published work.

231.900 120 credits DS I AL

PhD Public Health

DS I PN

DS I WL

232

ECOLOGY

232.701 30 credits DS I AL

Conservation Biology

DS I PN

Conservation biology involves applying theory from several branches of biology to the problem of conserving biological diversity. This paper covers a range of general issues in conservation biology, including ethical and cultural issues, population and demographics and genetics, population viability analysis, and community-level conservation. It also covers several specific topics in depth, with an emphasis on New Zealand case studies.

ZOOLOGY

232.703 30 credits DS I AL

Wildlife Management

DS I PN

A problem-based paper involving fieldwork, data analysis, and report writing. A selection of problems will be tackled each year, and all will be real problems of interest to conservation managers. The problems will involve management of wildlife in its broadest sense, meaning they may focus on plants and invertebrates as well as vertebrates, and on ecosystems as well as single species. There will be a strong emphasis on gaining experience with quantitative analytical methods.

ECOLOGY

232.704 30 credits DS I PN

Wildlife Disease

Techniques and issues fundamental to planning and interpreting wildlife health investigations and incorporating results into species management programmes. A primary focus on issues relevant to New Zealand's fauna together with specific examples from overseas.

232.705 30 credits DS I PN

Captive Breeding and Management

Nutritional, management and disease control programmes relevant to the captive breeding of New Zealand's endangered indigenous species. Problems associated with some selected species illustrating how to obtain healthy individuals for release. Para-veterinary techniques applicable to the safe handling and welfare of a variety of captive species.

232.791 15 credits DS I AL

Special Topic

DS I PN

232.792 30 credits DS I AL

Special Topic

DS I PN

232.793 30 credits DS I AL

Special Topic

DS I PN

232.799 30 credits DS I AL

Research Report

DS I PN

232.870 60 credits * * *

Research Report

232.871 45 credits S1 I PN

Thesis 90 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

232.872 45 credits S1 I PN

Thesis 90 Credit Part 2

S2 I PN

A supervised and guided independent study resulting in a published work.

232.875 90 credits DS I PN

Thesis

A supervised and guided independent study resulting in a published work.

232.897 60 credits DS I AL

Thesis 120 Credit Part 1

DS I PN

A supervised and guided independent study resulting in a published work

S2 I AL

S2 I PN

		Sem	Mode	Loc
232.898	60 credits	S1	I	AL
Thesis 120 Credit Part 2		S1	I	PN
A supervised and guided independent study resulting in a published work.		DS	I	AL
		DS	I	PN
		S2	I	AL
		S2	I	PN
232.899	120 credits	DS	I	AL
Thesis		DS	I	PN
A supervised and guided independent study resulting in a published work.				
232.900	120 credits	DS	I	AL
PhD Conservation Biology		DS	I	PN

233

EARTH SCIENCE

233.101	15 credits	S1	I	PN
Introductory Earth Science		DS	DL	PN
An introduction to earth materials and earth processes with special emphasis on their practical application.				
233.202	15 credits	SS	DL	PN
Earth Science Field Work I				
A field-camp-based introduction to the skills in the principles of stratigraphy and the construction of geologic maps.				
233.203	15 credits	S2	DL	PN
Earth Science Field Work II		SS	DL1	PN
A practical field experience examining volcanological and geothermal deposits of the central North Island. Emphasis will be placed on geologic mapping in volcanic environments, tephrochronology, geothermal processes, geologic hazards and volcanic sedimentology.				
233.205	15 credits	S1	I	PN
Volcanology and Mineralogy		DS	DL	PN
Principles of volcanology including physical and chemical processes in magmas and eruptions; optical mineralogy of volcanic rocks; tephra and their applications.				
233.208	15 credits	*	*	*
Plate Tectonics and New Zealand Geology				
An explanation of the processes of global plate tectonics; plate tectonic movements in the South-West Pacific and the geological history of New Zealand.				
233.210	15 credits	*	*	*
Pedology and Quaternary Geology				
Application of soil properties to soil identification and soil genesis in New Zealand. Principles of the Quaternary geological development of New Zealand.				
233.250	15 credits	DS	DL	PN
Understanding New Zealand Geology		S2	I	PN
The geological strata of New Zealand record a complex interaction between sedimentology, stratigraphy and structural geology. This paper concentrates on the geological history of New Zealand through the principles of stratigraphy, the processes and products of sedimentation, the basics of structural geology and geological dating techniques. There is an emphasis on the applications of the techniques and methods presented, such as for oil and gas exploration				
233.251	15 credits	S1	DL	PN
GIS and Remote Sensing		S1	I	PN
A journey of discovery in the world of geospatial information. Learn how to use Geographic Information Systems (GIS) to store, query and manipulate spatial datasets. Develop an understanding of how these data are gathered using remote sensing techniques and analysed using digital image analysis				
233.301	15 credits	S2	DL	PN
Advanced Remote Sensing		S2	I	PN
Remote sensing techniques and applications for environmental sciences. Remote sensing/GIS integration. Exploiting relevant World Wide Web resources.				
233.302	15 credits	SS	DL	PN
Earth Science Field Work III		SS	DL1	PN
A field-camp in advanced geological mapping, advanced geological structures and relevant Quaternary geology.				
233.308	15 credits	*	*	*
Plate Tectonics and New Zealand Geology				
An advanced course on the processes of global plate tectonics; plate tectonic movements in the South-West Pacific and the geological history of New Zealand.				

		Sem	Mode	Loc
233.310	15 credits	DS	DL	PN
Pedology and Quaternary Geology		S2	I	PN
An advanced course on the application of soil properties to soil identification and soil genesis in New Zealand. Principles of the Quaternary geological development of New Zealand.				
233.350	15 credits	S1	I	PN
How the Earth Works		DS	DL	PN
The principles of plate tectonics, rock deformation, and regional and global tectonic geology.				
233.701	30 credits	DS	I	PN
Advanced Pedology				
An advanced course in processes of soil formation, soils in the landscape, soil classification systems, techniques of description and mapping of soils, soil stratigraphy and properties of soils.				
233.702	30 credits	DS	I	PN
Advanced Quaternary Geology				
Advanced study into the historical development and principles of the Quaternary chronostratigraphy of New Zealand. Study of the principal methods for Quaternary dating. Selected topics include the Quaternary stratigraphy of selected regions or countries, Quaternary tectonics, eustatic sea levels, and climatic change. Field work on an area of specific Quaternary interest.				
233.705	30 credits	DS	I	PN
Volcanology and Tephrochronology				
An advanced paper investigating physical volcanology and tephrochronology, including tephra identification, tephra fingerprinting, volcanic mineralogy and geochemistry, and volcanic hazards.				
233.706	30 credits	DS	DL	PN
Environmental Geographical Information Systems		DS	I	PN
Application of geospatial analytical techniques within the environmental sciences, with particular emphasis on cartographic modelling, data fusion, database query, decision support and image integration.				
233.707	30 credits	DS	DL	PN
Environmental Remote Sensing		DS	I	PN
Remote sensing of the environment: techniques and applications. The course will emphasise the use of digital analysis of remotely sensed imagery and data. The integration of Geographic Information Systems (GIS), global positioning systems (GPS), digital elevation models (DEMs) and remotely sensed data will be studied in detail.				
233.708	30 credits	DS	I	PN
Geochemistry				
A study of the Earth's geochemical systems, including meteorite geochemistry and stable and radiogenic isotope systems (including geochronology). Also included are an introduction to geochemical and biogeochemical prospecting, sample pre-treatment and geochemical standards. Analytical techniques of importance to geochemistry will be examined.				
233.709	30 credits	DS	I	PN
Advanced Sedimentology				
An advanced paper on the analysis of sedimentary basins and the sequences within basins.				
233.756	30 credits	DS	DL	PN
Environmental Geology		DS	I	PN
The Earth's finite water, soil mineral and energy resources; mining and the environment, engineering geology, geological hazards and hazard assessments; geology in relation to plant, animal and human health.				
233.792	30 credits	DS	I	PN
Special Topic				
233.793	30 credits	DS	I	PN
Special Topic				
233.799	30 credits	DS	I	PN
Research Report				
233.870	60 credits	*	*	*
Research Report				
233.871	45 credits	S1	I	PN
Thesis 90 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work				
233.872	45 credits	S1	I	PN
Thesis 90 Credit Part 2		S2	I	PN
A supervised and guided independent study resulting in a published work.				
233.875	90 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				

		Sem	Mode	Loc
233.897	60 credits	DS	I	PN
Thesis 120 Credit Part 1		S2	I	PN
A supervised and guided independent study resulting in a published work.				
233.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2		DS	I	PN
A supervised and guided independent study resulting in a published work.				
233.899	120 credits	DS	I	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
233.900	120 credits	DS	I	PN
PhD Earth Science				

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SPORT AND EXERCISE SCIENCE

234.110	15 credits	S2	I	WL
Introduction to Sports Medicine				
An introduction to the methods used in injury prevention, assessment, management and rehabilitation of a range of injuries commonly associated with sport and exercise.				

HEALTH SCIENCES

234.111	15 credits	S1	DL	PN
Training Principles and Practice		S1	I	PN
An introduction to the knowledge and skills necessary for the planning, implementation and evaluation of goal-oriented training.				

234.120	15 credits	S2	DL	PN
Introduction to Sport and Exercise Science		S2	I	PN
An introduction to the contributions that the application of human biology, the physical sciences, and technology have made to understanding, assessing and enhancing sport and sports performance.				

234.121	15 credits	S1	DL	WL
Structural Kinesiology		S1	I	AL
An introduction to the musculo-skeletal aspects of human movement with emphasis on sites of muscle attachment, joint structure, and the way in which they determine direction of motion about joints. The use of this knowledge in analysis of movement sequences common in sport, exercise routines and in everyday life, and in the selection of appropriate resistance exercises for strengthening specific muscles and muscle groups. Active participation in resistance exercises is a requirement of this paper.				

MANAGEMENT

234.130	15 credits	S1	DL	PN
Introduction to Sport Coaching		S1	I	PN
An introduction to the generic principles of coaching from a management, educational and psychological perspective.				

234.131	15 credits	S1	DL	PN
Introduction to Sport Management		S1	I	PN
An introduction to the study of sport in society with an examination of the development of sport management in New Zealand and overseas.				

SPORT AND EXERCISE SCIENCE

234.133	15 credits	*	*	*
Sport Facility Management				
An introduction to the management and administrative aspects of sport facilities.				

234.135	15 credits	*	*	*
Sociology of Sport and Exercise				
An introduction to sociology concepts, principles and theories as applied to sport and exercise.				

PHYSICAL EDUCATION AND HEALTH

234.140	15 credits	S1	DL	PN
Introduction to Physical Education		S1	I	PN
An introduction to health and physical education through the exploration of a range of topics such as curriculum models, issues, and diversity with consideration to the Treaty of Waitangi relevant to undergraduate students.				

234.141	15 credits	S2	B1	PN
Introduction to Human Movement				
An Introduction to the relationship of movement to human development and learning within changing social and cultural contexts.				

HEALTH SCIENCES

234.212	15 credits	S2	I	WL
Exercise Prescription and Therapy				
This paper gives an overview of the knowledge and skills required for the development and implementation of goal-based exercise programmes. An introduction to the therapeutic value of exercise for a variety of population groups.				

234.213	15 credits	S1	I	PN
Fitness Assessment				
A study of the rationale and theory of fitness assessment. Practical application of fitness assessment methods for determination of aerobic, anaerobic, and musculo-skeletal fitness parameters in apparently healthy individuals and in those with special needs.				

SPORT AND EXERCISE SCIENCE

234.214	15 credits	S2	I	PN
Exercise Prescription				
A study of prescribing exercise and physical activity for the general population.				

234.222	15 credits	S1	B1	WL
Sport Biomechanics I		S1	I	PN
An introduction to the study of the kinematics and dynamics of the human body and the factors that influence skilful and efficient performance of bodily movements in sport and everyday life. Students will be introduced to the techniques and methods required for qualitative analysis of complex skills.				

234.223	15 credits	S1	I	AL
Exercise Physiology		S2	I	PN
A study of the function of human biological systems as they relate to sport and exercise. Acute responses and the chronic adaptations to sport and exercise, specifically in relation to the core topics of human energetics, muscular, cardiovascular and respiratory systems. A strong laboratory focus will reinforce the theory and develop laboratory skills relevant to exercise physiology.				

234.224	15 credits	S1	DL	PN
Motor Behaviour		S1	I	PN
An introduction to the study of the factors underlying perceptual-motor coordination, and how coordination patterns change over time as the result of learning or aging.				

HEALTH SCIENCES

234.225	15 credits	S2	DL	WL
Nutrition for Sport, Exercise and Health		S2	I	PN
Principles of nutrition for sports and fitness training, health and special populations (with diabetes, obesity and cardiovascular disease) which participate in exercise. The paper covers principles of exercise and nutrient metabolism and applied topics.				

234.226	15 credits	S1	I	WL
Physiological Aspects of Exercise and Health I				
A study of the cardiovascular, respiratory, neuromuscular and endocrine responses and adaptations to exercise and training, with emphasis on the assessment and maintenance of optimal health and fitness, and physical performance in the general population and athletes.				

SPORT AND EXERCISE SCIENCE

234.227	15 credits	S2	DL	PN
Applied Sport Science		S2	I	PN
A study of the contributions that applications of the physical sciences, quantitative methods, and technology have made to understanding, measuring, assessing and enhancing sport and sports performance. Topics may include limits to performance, modelling exercise phenomena, biomechanics and quantitative applications in sport.				

MANAGEMENT

234.232	15 credits	S1	DL	PN
Sport Business		S1	I	PN
This paper explores the unique features of sport business, including aspects of promotion, sponsorship, funding, volunteer management, and sport structures within New Zealand.				

234.233	15 credits	S1	DL	PN
Sport Facility and Event Management		S1	I	PN
This paper examines specific management and administrative aspects of sport facilities and events.				

234.234	15 credits	S2	DL	PN
Sport Management Planning and Promotion		S2	I	PN
A study of the theories, concepts and practices of sport management planning and promotion in New Zealand, including risk management and the management of sport organisations and resources.				

234.235 15 credits

* * *

Outdoor Recreation Management

This paper introduces the students to the theories, concepts, and practices of outdoor recreation management in New Zealand. This will include areas such as adventure tourism, risk management, and the management of outdoor resources.

SPORT AND EXERCISE SCIENCE**234.236 15 credits**

S1 DL PN

Sport Coaching: Management and Leadership

S1 I PN

This paper examines aspects of contemporary sport coaching. It focuses on management skills, leadership theories/styles and examines ethical issues related to sport coaching.

234.238 15 credits

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Professional Development for the Sport Industry

A preparation for the Sport Practicum through field experience and critical reflection.

234.239 15 credits

S2 DL PN

Sport Economics

S2 I PN

An introduction to fundamental economic principles and concepts and their application in the sport sector. Particular emphasis will be placed organisation and the structure of sports leagues, public finance and sports, and labour market issues.

PHYSICAL EDUCATION AND HEALTH**234.242 15 credits**

S1 DL PN

Motor Skill Learning

S1 I PN

Students will study the principles and theories of motor skill acquisition and their application to sport coaching.

234.243 15 credits

S2 DL PN

Sport Pedagogy

S2 I PN

A critical examination that extends students' knowledge of the skills and methodologies relating to the learning and instruction of a range of physical activities and sports within educational contexts.

234.244 30 credits

DS DL PN

Sport Performance

Students will apply principles of playing, training and practice to their own performance in one selected sport for a single playing season.

HEALTH SCIENCES**234.312 15 credits**

S1 I PN

Advanced Exercise Prescription and Therapy

S1 I WL

This paper gives an in-depth knowledge of the role of exercise in rehabilitation. Students will be able to develop and implement exercise programmes to assist with recovery from musculo-skeletal injury and various disease states, and to influence indicators of psychological health.

MANAGEMENT**234.315 15 credits**

S2 I PN

Fitness and Athletic Conditioning

This paper provides an understanding of various exercise techniques and methods to developing fitness and conditioning programmes for the athletic population.

HEALTH SCIENCES**234.316 30 credits**

DS I PN

Exercise Prescription Practicum

DS I WL

This practicum is designed to provide practical experience in exercise or sport related environments according to individual interests.

SPORT AND EXERCISE SCIENCE**234.322 15 credits**

S2 I PN

Sport Biomechanics II

S2 I WL

An in-depth study of the kinematics and dynamics of the human body and the factors that influence skilful and efficient performance of bodily movements in sport and everyday life. This paper will provide students with advanced techniques and methods required to undertake quantitative analysis of complex skills.

234.323 15 credits

S1 I AL

Exercise Physiology II

S1 I PN

An examination of physiological mechanisms relevant to the limits of human sport and exercise performance, and how these change at different stages of the life-cycle and with impaired health. The adaptation and co-ordination of these mechanisms in acute and chronic exercise, and how these can be modulated by training and with the use of ergogenic aids.

HEALTH SCIENCES**234.326 15 credits**

S2 I WL

Physiological Aspects of Exercise and Health II

A study of physiological concepts and mechanisms in relation to exercise and the effect on human health.

SPORT AND EXERCISE SCIENCE**234.327 15 credits**

S2 I AL

Investigating Sports Performance

S2 I PN

An investigation into the techniques used in training, testing and research in exercise and sport. Students progress by gaining instruction in selected techniques under supervision. Major components of the paper will be group projects of the student's own selection and making written and oral presentations. Project supervision will be available.

MANAGEMENT**234.331 15 credits**

S2 DL PN

Sport in the Social Context

S2 I PN

This paper examines the political and social context of sport and leisure management in New Zealand and global contexts. Particular emphasis is given to social issues in sport, exercise and leisure that impact on management decision-making and action. Ethical issues associated with the sport and leisure industries are identified and their resolution is considered.

SPORT AND EXERCISE SCIENCE**234.335 15 credits**

* * *

Critical Issues in Sport Management

An investigation of critical issues in sport management.

234.338 30 credits

DS DL PN

Sport Management/Coaching Practicum

DS I PN

The practicum is designed to provide practical experience in the sport management or coaching areas according to individual interests and experience.

234.343 15 credits

S1 I PN

Sport Pedagogy II

This paper examines the principles and practices associated with effective sport pedagogy especially as it is applied to the delivery of game instruction in school and sport contexts.

PHYSICAL EDUCATION AND HEALTH**234.345 15 credits**

S1 I PN

An Integrated Model of Physical Education

Exploration of an integrated model of physical education using a range of movement areas, learning and teaching methodologies within the context of outdoor education.

234.346 15 credits

S2 I PN

Promoting Hauora through Te Ao Kori

Analysing and applying the concept of Hauora (a holistic, Māori view of total well-being) through the practices of Te Ao Kori (The World of Movement) in a physical education setting. Critically examine a range of Māori movement perspectives providing considerable integration of the Te Ao Māori (A Māori world view) and the principles of the Treaty of Waitangi in contemporary Aotearoa New Zealand society.

234.347 15 credits

S2 DL PN

Current Issues in Health and Physical Education

S2 I PN

An introduction to the theory and practice of health and physical education through the examination of a range of international/national perspectives on cultural issues with consideration to the Treaty of Waitangi relevant to undergraduate students.

MANAGEMENT**234.360 15 credits**

S1 DL AL

Sport Psychology

S1 I AL

This paper examines theory, research and practice in aspects of sport psychology.

SPORT AND EXERCISE SCIENCE**234.361 15 credits**

S2 DL AL

Exercise Psychology

S2 I AL

An examination of the association between psychological factors and participation in exercise and physical activity, and, in turn, how such participation affects personal functioning, health and well-being.

234.716 30 credits

DS DL AL

Advanced Physical Conditioning

An advanced level study of the research surrounding physical conditioning and the training processes for sporting performance and for targeted physical fitness.

Sem Mode Loc

234.717 **15 credits** S2 B1 WL

Advanced Exercise Prescription for Musculoskeletal Conditions

An advanced paper on clinical musculoskeletal conditions and examining the pertinent indications and contra-indications of exercise for these conditions.

234.718 **30 credits** S1 B1 WL

Advanced Exercise Prescription for Cardiopulmonary Conditions

An advanced paper on clinical cardiopulmonary conditions which will examine the understanding of the aetiology of the condition and subsequent prescription of safe, realistic and effective exercise programmes.

234.719 **30 credits** DS B1 WL

Advanced Topics in Clinical Exercise, Health and Disease

The paper will develop an advanced level of knowledge of exercise in health and disease management, with specific emphasis placed on the physiological, psychological and functional adaptations achieved with appropriate dose-response of exercise in neurological conditions, metabolic and endocrine disorders, and common cancers.

234.720 **15 credits** * * *

Skeletal Muscle Metabolism

An advanced level study of muscle metabolism during contraction and how this may be altered with chronic contractile activity.

234.721 **15 credits** S1 DL PN

Muscle Mechanics

An advanced level study of skeletal muscle structure, function and, motor control during contraction and exercise of a varying nature and how this may change with chronic contractile activity.

234.722 **15 credits** S2 DL WL

Advanced Biomechanics

Advanced study of selected topics in the biomechanics of human bodily movement to provide an in-depth knowledge of techniques and methods for quantitative analysis of complex skills. Analysis of gait will be covered as a fundamental component of all movement, and aspects of clinical biomechanics may also be included.

234.723 **15 credits** S1 DL PN

Advanced Topics in Exercise Science

Evaluation and critical analysis of important and topical research in sport and clinical exercise physiology. Students will gain competencies in a range of research techniques relating to Exercise Science.

234.731 **30 credits** DS DL PN

Advanced Sport in the Social Context

An advanced examination of the meaning and role(s) of sport and leisure in contemporary society with particular reference to selected topical issues and the implications that these have on the organisation and management of sport.

MANAGEMENT

234.732 **30 credits** DS DL PN

Advanced Sport Management

An examination of contemporary sport and recreation management practice in New Zealand and overseas.

SPORT AND EXERCISE SCIENCE

234.736 **30 credits** DS DL PN

Advanced Sport Coaching

This paper offers an advanced examination of contemporary issues and topics related to sport coaching.

234.738 **30 credits** DS DL PN

Advanced Sport Practicum

The advanced practicum is designed to provide practical experience in the sport management or coaching areas according to individual interests and experience.

234.745 **30 credits** DS B1 PN

Advanced Application of Māori Perspectives to Health and Physical Education

An advanced paper that critically examines the implementation of Indigenous (Māori) knowledge, through analysis of the Treaty of Waitangi and Māori models of health and well-being to aid in examining issues relevant to health and physical education in Aotearoa New Zealand.

234.771 **15 credits** * * *

Research Methods in Sport and Exercise

The paper will develop knowledge of research paradigms, designs and methodologies in preparation for postgraduate research studies in sport and exercise. The consequent alternative modules (A or B) will develop further qualitative or quantitative research methods knowledge, skills and experience.

234.790 **15 credits** S1 I AL

Special Topic

S1 I PN

S1 I WL

Sem Mode Loc

234.791 **15 credits** S1 I AL

Special Topic

S1 I PN

S2 I AL

S2 I PN

S2 I WL

234.792 **30 credits** DS I AL

Special Topic

DS I PN

DS I WL

234.799 **30 credits** DS I AL

Research Report

DS I PN

DS I WL

234.832 **60 credits** SS DL PN

Professional Practice in Sport Management

A comprehensive examination of the professional issues that impact on the practice of sport management. Professional leadership and interrelationships may be analysed using a case-study based approach. The focus is on the development of the knowledge and skills required by the sport management professional in practice.

234.870 **60 credits** * * *

Research Report

234.871 **45 credits** S1 I PN

Thesis 90 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work

234.872 **45 credits** S1 I PN

Thesis 90 Credit Part 2

S2 I PN

A supervised and guided independent study resulting in a published work.

234.875 **90 credits** DS I PN

Thesis

A supervised and guided independent study resulting in a published work.

234.890 **90 credits** DS I AL

Thesis

DS I PN

The supervised undertaking of an original piece of research in sport and exercise.

234.891 **45 credits** S1 I PN

Thesis 90 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

234.892 **45 credits** S1 I PN

Thesis 90 Credit Part 2

S2 I PN

A supervised and guided independent study resulting in a published work.

234.897 **60 credits** DS I AL

Thesis 120 Credit Part 1

DS I PN

A supervised and guided independent study resulting in a published work.

S2 I AL

S2 I PN

S2 I WL

234.898 **60 credits** S1 I AL

Thesis 120 Credit Part 2

S1 I PN

A supervised and guided independent study resulting in a published work.

S1 I WL

DS I AL

DS I PN

DS I WL

S2 I AL

S2 I PN

S2 I WL

234.899 **120 credits** DS I AL

Thesis

DS I PN

A supervised and guided independent study resulting in a published work.

DS I WL

234.900 **120 credits** DS I AL

PhD Sport & Exercise Science

DS I PN

DS I WL

235

MĀORI RESOURCE AND ENVIRONMENTAL MANAGEMENT

235.211 **15 credits** S2 I PN

Māori Agribusiness Systems

An introduction to Māori agribusiness systems including the values, science and business processes aligned to these. Particular emphasis will be placed on the

concepts of land and resource utility, kaitiakitanga and the relationship of these kaupapa Māori based systems to the present day. These systems will be discussed in context with Te Tiriti o Waitangi and present day legislation.

235.311 15 credits * * *
Māori Policy and Agribusiness

This paper examines the key issues and practice of Māori agribusiness policy. The roles and responsibilities of policy agencies in relation to Māori policy, research and development, implementation and monitoring relative to agribusiness are considered. Alternative policy approaches to achieving Māori driven outcomes are examined and presented. These processes will be discussed in context with Te Tiriti o Waitangi and natural resource management.

235.312 15 credits * * *
Case Studies in Māori Agribusiness

This paper explores Māori agribusiness through a series of case studies in the field with an emphasis on the temporal understanding of Māori agribusiness. Each case study has an emphasis on analysis and decision making and is applied to a range of Māori agribusinesses.

235.701 15 credits S1 DL PN
Māori Values and Resource Management S2 DL PN

In this applied paper students will learn about Māori concepts and values associated with the management of natural resources. Students will gain an appreciation of the importance of indigenous values, and in particular Māori values and management approaches to sustainable resource management. Case studies will be undertaken to develop skills in the management of natural resources.

235.702 15 credits S2 DL PN
Māori Resource and Environmental Management - Whenua

This paper offers the opportunity for postgraduate students to learn and apply Māori concepts, values and science processes to the management of whenua or land and whenua sustainability. These values will be discussed in context with Te Tiriti o Waitangi and present day legislation. Case studies will be undertaken to develop skills in the management of Māori whenua or land resources.

235.703 15 credits S1 DL PN
Māori Resource and Environmental Management - Fresh Water

A paper that offers the opportunity for postgraduate students to learn about the Māori concepts, values and science processes associated with the management of fresh water. Particular emphasis is placed on the importance of Māori values as they apply to sustainable fresh water management. These values will be discussed in context with Te Tiriti o Waitangi and present day legislation. Case studies will be undertaken to develop skills in the management of Māori fresh water resources.

235.704 15 credits S2 DL PN
Māori Resource and Environmental Management - Flora and Fauna

This paper offers the opportunity for postgraduate students to learn about the Māori concepts, values and science processes associated with the management of native flora and fauna. Particular emphasis is placed on the importance of Māori values and practices as they apply to sustainable management of native flora and fauna resources. These values will be discussed in context with Te Tiriti o Waitangi and present day legislation. Case studies will be undertaken to develop skills in the Māori component of management of native flora and fauna.

235.705 15 credits S1 DL PN
Māori Resource and Environmental Management - Foreshore and Oceans

A paper that offers the opportunity for postgraduate students to learn about the Māori concepts, values and science processes associated with the management of the foreshore and ocean resources. Particular emphasis is placed on the importance of Māori values and practices as they apply to sustainable management of foreshore and ocean resources. These values will be discussed in context with Te Tiriti o Waitangi and present day legislation. Case studies will be undertaken to develop skills in the Māori component of management of foreshore and ocean resources.

235.706 15 credits S2 DL PN
Maara kai - Traditional and Contemporary Māori Food Production

A paper that offers the opportunity for postgraduate students to learn about traditional and contemporary Māori food production including the values and science processes aligned to this activity. Particular emphasis will be placed on the concepts of land and crop management systems, kaitiakitanga and the relationship of these kaupapa Māori based systems to the present day. These systems will be discussed in context with Te Tiriti o Waitangi and present day legislation.

235.707 30 credits DS DL PN
Māori Natural Resource Policy

This paper examines the key issues and practice of Māori resources policy. The roles and responsibilities of policy agencies in relation to Māori resources policy research, development, implementation and monitoring are considered. Alternative policy approaches to achieving Māori and natural resource management outcomes are examined through selected case studies. These processes will be discussed in context with Te Tiriti o Waitangi.

235.790 15 credits S1 DL PN
Special Topic

Sem	Mode	Loc
S2	DL	PN
DS	DL	PN
DS	DL	PN

236

NANOSCIENCE

236.201 15 credits	S2	I	PN
Nanoscience			
A study of the interdisciplinary field of nanoscience with examination of contemporary theories, topics and issues.			

236.301 15 credits	S2	I	PN
Advanced Nanoscience			
An advanced study of topics in nanoscience.			

236.302 15 credits	DS	I	PN
Nanoscience Research Project			
Students will carry out a research project in an area of nanoscience under the supervision of an academic staff member. Projects may range from theoretical investigations, to synthetic preparations of nanomaterials, to characterization of nanomaterials on surfaces. Interdisciplinary topics will be encouraged.			

236.798 30 credits	DS	I	PN
Research Report			

236.870 60 credits	*	*	*
Research Report			

236.871 45 credits	S1	I	PN
Thesis 90 Credit Part 1	S2	I	PN
A supervised and guided independent study resulting in a published work.			

236.872 45 credits	S1	I	PN
Thesis 90 Credit Part 2	S2	I	PN
A supervised and guided independent study resulting in a published work.			

236.875 90 credits	DS	I	PN
Thesis			
A supervised and guided independent study resulting in a published work.			

236.897 60 credits	DS	I	PN
Thesis 120 Credit Part 1	S2	I	PN
A supervised and guided independent study resulting in a published work.			

236.898 60 credits	S1	I	PN
Thesis 120 Credit Part 2	DS	I	PN
A supervised and guided independent study resulting in a published work.			

236.899 120 credits	DS	I	PN
Thesis			
A supervised and guided independent study resulting in a published work.			

236.900 120 credits	DS	I	PN
PhD Nanoscience			

237

VISUAL AND MATERIAL CULTURE

237.117 15 credits	S1	I	WL
Māori Art and Design Studio I - Toi Atea	S2	I	WL
An introduction to the development of personal forms of expression through an engagement with the values, concepts, traditions, art/design forms and structures of the whare whakairo.			

237.130 15 credits	S1	I	WL
Communication in Creative Cultures			
This paper introduces students to academic writing and oral communication skills in the creative arts with a focus on stylistic characteristics and critical thinking. The paper is underpinned by a basic overview of historical epochs from the 18th century to the present day.			

Sem	Mode	Loc	Credits	Title	Description
			15 credits	237.131 Conversations in Creative Cultures	This paper introduces students to the concept of world views, to key issues and debates concerning cultural identity in Aotearoa New Zealand and their implications for creative practices.
			15 credits	237.211 Māori Visual and Material Culture - Toi Atea	An exploration of the conventions and values that underpin Māori visual and material culture. Emphasis is given to identifying the major art forms and the key continuities and changes that characterise development from customary to contemporary practice.
			15 credits	237.217 Māori Art and Design Studio IIA - Toi Atea	The development of individual work that grows out of the investigation of a select range of Māori concepts, art forms, imagery, values and approaches that reflect a Māori world view.
			15 credits	237.218 Māori Art and Design Studio IIB - Toi Atea	Further development of individual work that grows out of the investigation of a select range of Māori concepts, art forms, imagery, values and approaches that reflect a Māori world view.
			15 credits	237.230 Creative Cultures & Contexts I	This paper introduces students to histories of design and art to develop a critical appreciation of change and context. It will include the analysis of selected visual and material cultural practices in a series of theme based modules that explore the origins and impacts of consumerism, globalisation, sustainability.
			15 credits	237.231 Creative Cultures & Contexts II	In this paper students will explore and discover a broad range of critical perspectives relevant to the creative arts. They will select from a series of thematic modules, designed to prompt further consideration and questioning of creative practices.
			15 credits	237.317 Māori Art and Design Studio IIIA - Toi Atea	Developing visual responses to the exploration of issues (social, political, environmental, global) significant to Māori people and their communities.
			15 credits	237.318 Māori Art and Design Studio IIIB - Toi Atea	Further development of a range of visual responses to issues (social, political, environmental, global) of significance to Māori people and their communities.
			15 credits	237.330 Creative Cultures & Ideas	In this paper students will explore and appraise a range of ideas that support the critical positioning of creative practices. The selected ideas will be explored through interdisciplinary engagement.
			15 credits	237.331 Creative Cultures & Display	In this paper students will critically engage with a range of curatorial concepts in order to investigate modes of representation, collection, archiving, display and distribution. The paper will overview key historical developments in 19th and 20th century museum practices and examine selected cultural and ethical concerns for both community and institutional contexts.
			15 credits	237.401 The Material Turn	Students will apply selected theories from the fields of material culture studies in Aotearoa New Zealand and internationally to inform and evaluate understandings of creative practices.
			15 credits	237.402 The Visual Field	Students will apply selected theories from visual culture studies in Aotearoa New Zealand and internationally to inform and evaluate understandings of creative practices.
			15 credits	237.403 Studies in Material Culture B	A variety of case studies which include materiality as cultural process, material culture and remembering, and the reification of domestic everyday life.
			15 credits	237.404 Studies in Visual Culture B	A series of case studies which examine the shift from art history and film studies to contemporary visual culture.

Sem	Mode	Loc	Credits	Title	Description
			30 credits	237.417 Māori Art and Design Studio IV - Toi Atea	An advanced course to focus and refine visual language and personal tikanga through negotiated projects that explore topics of direct reference to Māori people and their communities.
			15 credits	237.465 Creative Exposition	In this paper students will situate their creative practice through writing. They will extend and hone their critical, analytical and reflective skills through written exposition that focuses on projecting themselves and their practice externally. This advanced programme of study will encourage discussion on diverse approaches to creative research exposition and its relevance for a range of academic and/or professional contexts.
			30 credits	237.701 Studies in Material Culture	A critical consideration of major theories in the field of material culture studies and how these inform research approaches and findings in Aotearoa New Zealand and internationally. After an initial survey of the historical development of the field, these theories will be explored through a variety of case studies which may include materiality as cultural process, material culture and remembering, and material culture and the domestic.
			30 credits	237.702 Studies in Visual Culture	A survey of major theories about and current approaches to the social construction of visual experience in Aotearoa New Zealand and internationally. After considering the shift from art history and film studies to visual culture, these theories will be explored through a series of topics which may include practices of looking, cultural history and visuality, the photographic image, painting and visual culture, and popular visual culture.
			30 credits	237.791 Special Topic	
			30 credits	237.799 Research Report	This paper consists of an individually supervised piece of work to provide training in research and writing for a thesis. It provides the opportunity for critical examination of a topic, issue or problem within the fields of visual and material culture studies. An initial module of research training is followed by the completion of the independent research project.
			120 credits	237.800 MPhil Thesis	A supervised and guided independent study resulting in a published work.
			60 credits	237.801 MPhil Thesis 120 Credit Part 1	A supervised and guided independent study resulting in a published work.
			60 credits	237.802 MPhil Thesis 120 Credit Part 2	A supervised and guided independent study resulting in a published work.
			60 credits	237.816 Thesis 120 Credit Part 1	A supervised and guided independent study resulting in a published work.
			60 credits	237.817 Thesis 120 Credit Part 2	A supervised and guided independent study resulting in a published work.
			120 credits	237.899 Thesis	A supervised and guided independent study resulting in a published work.
			120 credits	237.900 PhD Visual & Material Culture	

238

AGRISCIENCE

238.291 Special Topic	15 credits	S1	I	PN
		S2	I	PN
		SS	DL	PN
238.391 Special Topic	15 credits	S1	I	PN
		S2	I	PN
		SS	DL	PN

238.700 **15 credits** S1 DL PN

Life Cycle Assessment (LCA) and Footprinting Principles

The concept of life cycle thinking and its application to support decision-making for product systems. The paper will provide an overview of the principles and methodology for Life Cycle Assessment (LCA) according to the ISO 14040 and 14044 standards, and introduce related environmental footprinting approaches (carbon and water footprinting).

238.701 **15 credits** * * *

Current Issues in AgriScience

Current issues in agriscience, such as global warming, energy cost and supply, geopolitical power shifts, ecosystem degradation and water quality, demographic changes, and technological advances (as identified by MAF Future Focus) are discussed.

238.710 **15 credits** S1 DL PN

Life Cycle Assessment and Footprinting Methods

The practical application and critical evaluation of current methods and assumptions of Lifecycle Analysis and Footprinting particularly with respect to public policy and agri-food, fibre and forestry systems. Use of specialised software applications to improve understanding and demonstrate operational competency.

238.711 **15 credits** S2 DL PN

Life Cycle Assessment and Footprinting Case Studies

Case studies, selected to meet learner requirements, are used to examine the philosophical, methodological and empirical issues in LCA and Footprinting across different scales (e.g. product, company, city or country), contexts (e.g. , supply chain management, product design, eco-certification, urban planning and public policy evaluation) and sectors (e.g. dairy, energy, fibre, forestry, horticulture, manufacturing, meat, or tourism).

238.712 **15 credits** S1 DL PN

Advanced Life Cycle Assessment and Footprinting Theory

An advanced examination of quantitative methods and methodological issues of LifeCycle Assessment and Footprinting.

238.751 **15 credits** S1 DL PN

Agricultural Greenhouse Gas Emission Science

The contribution by agro-ecosystems to greenhouse gas (GHG) emissions at both a national and global scale is considered through process-based understanding of the distinctive features of the carbon and nitrogen biogeochemical cycles in New Zealand's pastoral, arable, horticulture and forest systems and of influences of key factors regulating the source/sink strengths of the land use and land management systems.

238.752 **15 credits** * * *

Mitigation Strategies for Agricultural Greenhouse Gas Emissions

A range of approaches to mitigate GHG emissions using emission avoidance, emission offset and carbon sequestration strategies are studied within the context of environmental integrity, minimising social and economic costs, and maximising potential benefits. The impacts of a practical mitigation strategy on other GHG emissions are evaluated. Life cycle analysis is conducted to evaluate the emissions reduction potential of GHG mitigation strategies.

238.785 **15 credits** S1 I PN

Special Topic

S2 I PN

238.786 **30 credits** DS I PN

Special Topic

238.798 **30 credits** DS I PN

Research Report

238.885 **45 credits** S1 I PN

Thesis 90 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

238.886 **45 credits** S1 I PN

Thesis 90 Credit Part 2

S2 I PN

A supervised and guided independent study resulting in a published work.

238.887 **60 credits** DS I PN

Research Report

238.888 **90 credits** DS I PN

Thesis

A supervised and guided independent study resulting in a published work.

238.897 **60 credits** DS I PN

Thesis 120 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

238.898 **60 credits** S1 I PN

Thesis 120 Credit Part 2

DS I PN

A supervised and guided independent study resulting in a published work.

238.899 **120 credits** DS I PN

Thesis

A supervised and guided independent study resulting in a published work

239

AGRICOMMERCE

239.291 **15 credits** S1 I PN

Special Topic

S2 I PN

SS DL PN

239.373 **15 credits** * * *

AgriCommerce Capstone

An integrative paper designed to capture the breadth of knowledge gained in the degree and utilise the value of teams in addressing international food and agribusiness challenges to New Zealand industries. Emphasis will be placed on the application of knowledge to understand and analyse international environments and identify sustainable, competitive export strategies for an agribusiness firm.

239.391 **15 credits** S1 I PN

Special Topic

S2 I PN

SS DL PN

239.785 **15 credits** S1 I PN

Special Topic

S2 I PN

239.786 **30 credits** DS I PN

Special Topic

239.798 **30 credits** DS I PN

Research Report

239.885 **45 credits** S1 I PN

Thesis 90 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

239.886 **45 credits** S1 I PN

Thesis 90 Credit Part 2

S2 I PN

A supervised and guided independent study resulting in a published work.

239.887 **60 credits** DS I PN

Research Report

239.888 **90 credits** DS I PN

Thesis

A supervised and guided independent study resulting in a published work.

239.897 **60 credits** DS I PN

Thesis 120 Credit Part 1

S2 I PN

A supervised and guided independent study resulting in a published work.

239.898 **60 credits** S1 I PN

Thesis 120 Credit Part 2

DS I PN

A supervised and guided independent study resulting in a published work.

239.899 **120 credits** DS I PN

Thesis

A supervised and guided independent study resulting in a published work.

240

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

240.260 **15 credits** S1 B1 AL

Logistics and Supply Chain Fundamentals

A study of fundamental logistics and supply chain management concepts. The management paradigm that underpins the discipline is fully explored with a specific focus on process integration and relationship management.

240.261 **30 credits** DS B1 AL

Logistics Management

A study of the role and structure of integrated logistics systems, including the impact of globalisation on logistics performance and the role of information technology on the role of logistical operations.

240.262 **15 credits** S2 B2 AL

Transportation Systems

This paper studies transportation systems with an emphasis on international intermodal transportation. The economic and operating characteristics of differing transportation systems will be examined, along with costs and regulations of

transportation services and the role of information technology on transportation systems.

240.362 15 credits S2 B2 AL

Industry Trends and Applications

A study of the impact of current industry trends on how businesses can engineer and operate their logistics and supply chains to create greater value for the organisation.

240.363 30 credits S1 B1 AL

Supply Chain Management

A study of the functioning of modern supply chains, their design, coordination, management and the crucial role of effective inter-enterprise collaboration.

240.364 15 credits DS B1 AL

Purchasing and Supply Management

A study of the scope of purchasing and procurement and the principles, structures and key variables of supply management.

240.365 15 credits S2 B1 AL

Distribution Strategy and Demand Chain Management

A study of distribution management concepts and strategy together with an exploration of demand chains.

240.752 30 credits S1 DL AL

Integrated Logistics

Logistics is a foundation block within any successful business. S1 I AL
Unless an organization can manage and coordinate in an integrated S2 DL PN
manner the movement of materials, information and cash through its business, and S2 I PN
those of partner organisations, it is unlikely to outperform its competitors.

AGRIBUSINESS

240.753 15 credits S1 DL AL

Supply Chain System Analysis

Determining information required for management of the supply chain. S1 I AL
Includes a systems dynamics view of Production Management, Theory of S2 DL PN
PN
Constraints, Supply Chain measurements and analysis.

240.754 15 credits S1 DL PN

Supply Chain Optimisation

The use of tools to measure, optimise and assess the impact of S1 I PN
alternative management and operational decisions on the supply S2 DL AL
chain. Includes linear programming, Theory of Constraints Replenishment solution, S2 I AL
Quality Systems in supply chains and Project Management.

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

240.755 30 credits S1 DL PN

Executive Supply Chain Management

The operational disciplines of the successful organisation are S1 I PN
responsible for developing and managing its response to market S2 DL AL
opportunities and supply chain management is the key to a successful response. S2 I AL
This paper looks at the role supply chain management has in supporting
organisations to create value within supply nets, webs and chains through the
relationships created downstream with customers and upstream with suppliers.

240.756 15 credits S2 B2 AL

Value Chain Management

This advanced paper explores the transformation of traditional business models to S2 I AL
the management of value chains. The concepts of shareholder value management,
co-creativity, co-productivity, and co-operation are explored. The notion of
a strategic value chain network is examined in the context of supply chain
collaboration.

240.757 15 credits S1 B1 AL

Logistics in Humanitarian Aid Projects

Students will analyse the logistics of humanitarian aid projects in zones of conflict S1 I AL
and relief assistance in natural disaster areas, from rapid assessment missions to
the management of international supply chains for humanitarian aid. Case studies
of integrated logistics management procedures during historical and ongoing
emergency operations, as well as future trends in humanitarian logistics will also
be addressed.

240.758 30 credits S1 DL PN

Research Methods in Supply Chain Management

The process of scientific discovery will be explored through the S1 I PN
discussion of alternative research methodologies. The primary role S2 DL AL
of the paper is to prepare students to undertake research and to develop a research S2 I AL
proposal. Particular emphasis is placed on conducting research on supply chains
and quality systems. Students will become familiar with both positivist and
interpretivist approaches to generating knowledge in this socio-technical context.
During the paper students will develop the skills to synthesise literature, design
research processes and structure a research thesis.

240.791 15 credits

Special Topic

S1 DL AL
S1 DL PN
S1 I AL
S1 I PN
S2 I AL

240.792 30 credits

Special Topic

DS DL AL
DS DL PN
DS I PN

240.887 60 credits

Research Report

DS DL PN
DS I AL
DS I PN

240.888 90 credits

Thesis

A supervised and guided independent study resulting in a published DS DL AL
work. DS DL PN
DS I AL
DS I PN

240.895 45 credits

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published DS DL AL
work. DS DL PN
DS I AL
DS I PN

240.896 45 credits

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published DS DL AL
work. DS DL PN
DS I AL
DS I PN

240.897 60 credits

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published DS DL PN
work. DS I AL
DS I PN
S2 DL PN
S2 I AL
S2 I PN

240.898 60 credits

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published S1 DL PN
work. S1 I AL
S1 I PN
DS DL PN
DS I AL
DS I PN
S2 DL PN
S2 I AL
S2 I PN

240.899 120 credits

Thesis

A supervised and guided independent study resulting in a published DS DL PN
work. DS I AL
DS I PN

240.900 120 credits

PhD Logistics and Supply Chain Management

DS I AL
DS I PN

241

CHINESE

241.101 15 credits

Chinese 1A

The paper provides the students with a basic proficiency in Putonghua (Mandarin S1 DL PN
Chinese). The students acquire the phonetics, knowledge of a set of characters, and S1 I PN
the vocabulary and constructions in the first third of Chinese Link Level I.

241.102 15 credits

Chinese 1B

The paper builds on the proficiency in Putonghua (Mandarin) that is developed in S2 DL PN
241.101 Chinese 1A. The students continue to acquire the phonetics, a further set S2 I PN
of characters, and the vocabulary and constructions in the second third of Chinese
Link Level I.

241.103 15 credits

Chinese Cultural World

An enquiry into Chinese culture through the medium of texts, S1 DL PN
literature, film and the arts. No knowledge of Chinese is required. S1 I AL
SS DL PN

241.105 15 credits

Business Chinese

An introduction to the principles of Chinese formal and informal business contexts. S2 I AL
Explores the use of language and culture in these contexts in order to facilitate
cross-cultural communication.

241.106 **15 credits** S1 DL AL

Chinese for Heritage Speakers A

The paper is designed for Chinese heritage speakers and non-native (L2) learners with intermediate skills acquired through prior learning. It assists students to acquire oral and written proficiency at the pre-advanced level as well as a solid understanding of Chinese culture and society.

241.201 **15 credits** S1 DL PN

Chinese 2A

Provides students with intermediate level of proficiency in Putonghua (Mandarin), building on skills in reading, writing, listening and speaking. Intermediate level structures, vocabulary and characters are reinforced through oral and written exercises. Students acquire the tools appropriate to this level to discuss topics relevant to themselves and to Chinese culture and society.

241.202 **15 credits** S2 DL PN

Chinese 2B

Aims to further develop intermediate level proficiency in Putonghua (Mandarin), building on skills in reading, writing, listening and speaking. Entails a further set of intermediate level structures, vocabulary and characters that are reinforced through oral and written exercises. Students discuss topics appropriate to this level and that are relevant to themselves and to Chinese culture and society.

241.203 **15 credits** S2 DL PN

20th Century Chinese Literature and Society

An integrated account of social and historical developments in twentieth-century China through a study of selected literary texts. No knowledge of Chinese is required.

241.204 **15 credits** S1 DL PN

Chinese Film

Explores Chinese film in China, Taiwan and Hong Kong as a cultural medium since the 1980s. No knowledge of Chinese is required

241.206 **15 credits** S2 I AL

Chinese for Heritage Speakers B

The paper is designed for Chinese heritage speakers and non-native (L2) learners with pre-advanced skills acquired through prior learning. It assists students to acquire oral and written proficiency at the advanced level as well as a critical understanding of Chinese culture and society.

241.301 **15 credits** S1 DL PN

Chinese 3A

Develops a pre-advanced level of proficiency in Putonghua (Mandarin), building on skills in reading, writing, listening and speaking. Pre-advanced structures, vocabulary and characters enable students to extend and refine their linguistic capabilities and are reinforced through oral and written exercises. Students acquire comprehension and communication skills to deal confidently and accurately with various situations.

241.302 **15 credits** S2 DL PN

Chinese 3B

Develops advanced level of proficiency in Putonghua (Mandarin), building on skills in reading, writing, listening and speaking. Advanced structures, vocabulary and characters with accompanying oral and written exercises enable students to extend and refine their linguistic capabilities. Students acquire greater comprehension and communication skills to deal confidently and accurately with various situations.

241.304 **15 credits** S1 DL PN

Chinese Grammar

A systematic study of Chinese grammar based on contrastive analysis and aimed at improving communicative skills. Topics covered include basic concepts, sentence structure, special verbal constructions, tense and aspect, and complements.

241.305 **15 credits** S2 DL PN

Translation from and into Chinese

An exploration of the theory and practice of translation from and into Chinese, with an emphasis on application and the development of translation skills.

241.395 **15 credits** DS DL PN

Individual Research Project II in Chinese Studies

The paper comprises a research project, at an advanced level, on an approved topic about China. The topic could encompass language, literature, history, politics or some other aspect of Chinese culture.

242

JAPANESE

242.101 **15 credits** S1 DL PN

Japanese 1A

This paper provides students with introductory level proficiency in Japanese listening, speaking, reading and writing skills. Students learn romanised script, the two phonetic scripts (hiragana and katakana) and approximately 60

Japanese characters (kanji), as well as basic sentence structures and vocabulary useful for everyday life in Japan.

242.102 **15 credits** S2 DL PN

Japanese 1B

This paper builds on the introductory level proficiency in Japanese established in 242.101 Japanese 1A developing further basic competence in Japanese listening, speaking, reading and writing skills. An additional 87 kanji are learnt. An increased range of sentence structures and vocabulary useful for everyday situations and interactions in Japan are introduced.

242.103 **15 credits** S1 DL PN

Introduction to Japanese Culture

An overview of the cultural development of Japan from early times to the present.

242.201 **15 credits** S1 DL PN

Japanese 2A

This paper provides students with an intermediate level of reading, writing, listening and speaking proficiency in Japanese building on skills established in prior study. Student will use a range of written and oral exercises to practise new grammatical structures, vocabulary and approximately 80 new kanji, and will acquire the tools to discuss topics of relevance to themselves and Japanese culture and society at an appropriate level.

242.202 **15 credits** S2 DL PN

Japanese 2B

This paper further develops students' reading, writing, listening and speaking proficiency in Japanese at intermediate level, extending skills gained in 242.201 Japanese 2A. Student will continue to use a range of written and oral exercises to practise new grammatical structures, vocabulary and approximately 100 new kanji, and will improve their ability to discuss topics of relevance to themselves and Japanese culture and society at an appropriate level. The use of respect language (keigo) will also be introduced.

242.203 **15 credits** S2 DL PN

Japanese Language and Society

An exploration of language use as a reflection of Japanese culture and social structures.

242.205 **15 credits** * * *

Japanese Cinema

This paper will introduce Japanese cinema in English translation as an art form that strongly reflects its culture. Traditional samurai films, contemporary social problem films and animations are used to explore how films address issues of modernity and national identity. No previous knowledge of Japanese language, history, or culture is required.

242.301 **15 credits** S1 DL PN

Japanese 3A

This paper provides students with a pre-advanced level of reading, writing, listening and speaking proficiency in Japanese building on skills established in prior study. Students will continue to extend and refine their ability in Japanese through using a range of exercises practising more advanced vocabulary and idioms, grammatical structures, respect language (keigo) and approximately 244 new kanji. Students will be expected to develop comprehension and communication skills to deal confidently and accurately with various situations.

242.302 **15 credits** S2 DL PN

Japanese 3B

This paper further extends students' Japanese proficiency in reading, writing, listening and speaking to advanced level, building on skills established in 242.301 Japanese 3A. Students will continue to further extend and refine their ability in Japanese through practising an increased range of vocabulary and idioms, grammatical structures, respect language (keigo) and approximately 208 new kanji. Students will be expected to develop their comprehension and communication skills for confident and accurate use in more varied situations.

242.304 **15 credits** S1 DL PN

Reading and Writing about Current Japan

Selected issues of contemporary Japanese society will be studied through the medium of texts in the Japanese language. Further development of Japanese skills in reading and writing.

242.305 **15 credits** * * *

Readings in Modern Japanese Literature

A study of selected extracts in the original Japanese from the work of major modern writers.

242.306 **15 credits** * * *

Japanese Linguistics

An analysis of Japanese sentence/discourse constructions from the viewpoints of English speakers. No previous knowledge of linguistics is required.

242.307 **15 credits** S2 DL PN

Japanese-English Translation Techniques

The study and acquisition of techniques for translating Japanese into English and English into Japanese.

242.390	15 credits	DS	DL	PN
Individual Research Project in Japanese Studies				
A research project on an approved topic in Japanese Studies.				
242.800	120 credits	*	*	*
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
242.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
242.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
242.897	60 credits	S1	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
242.898	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
242.899	120 credits	*	*	*
Thesis				
A supervised and guided independent study resulting in a published work.				
242.900	120 credits	*	*	*
PhD Thesis Japanese				

243

FRENCH

243.101	15 credits	S1	DL	PN
Introductory French Language I				
A communicative approach to developing skills in spoken and written French, including comprehension, structural exercises and oral practice. For students without prior knowledge of the language. An oral examination forms part of the final assessment.				
243.102	15 credits	S2	DL	PN
Introductory French Language II				
For students with some prior knowledge of French (School Certificate level or NCEA level 1 or near equivalent). Extending communication skills in spoken and written French, including composition, comprehension, structural exercises and oral practice. An oral examination forms part of the final assessment.				
243.201	15 credits	S1	DL	PN
Intermediate French Language I				
An intermediate-level review of written and spoken French, developing skills in composition, comprehension, grammar and oral communication.				
243.202	15 credits	S2	DL	PN
Intermediate French Language II				
Written and oral comprehension and expression based on contemporary texts and recordings. An oral examination forms part of the final assessment.				
243.301	15 credits	S1	DL	PN
Advanced French Language				
Written and oral comprehension, expression and analysis, based on contemporary texts and recordings. An oral examination forms part of the final assessment.				
243.304	15 credits	*	*	*
Contemporary French Popular Culture				
Practical and theoretical study of contemporary French popular culture, examining the roles played by advertising, film, popular fiction, music, sport and fashion in shaping and defining that culture. Students will undertake individual project work as part of their study.				
243.305	15 credits	S2	DL	PN
Close Encounters: Connections between France and New Zealand				
A critical examination of France/New Zealand relationships within the fields of politics, sports, history, media, and culture to allow for a greater understanding and appreciation of social, cultural and emotional issues arising from points of contact between the two nations. This paper will be taught in French.				

244

GERMAN

244.202	15 credits	*	*	*
Intermediate German Language II				
An emphasis on oral fluency and comprehension, refinement of grammatical accuracy and precision of expression in written German. An oral examination forms part of the final assessment.				

245

SPANISH

245.101	15 credits	S1	DL	PN
Introductory Spanish Language I				
Development of basic communication skills in spoken and written Spanish through use of DVD, reading, comprehension, structural exercises and oral practice. Aspects of contemporary Hispanic culture and society are also studied. An oral examination forms part of the final assessment.				
245.102	15 credits	S2	DL	PN
Introductory Spanish Language II				
Extension of basic communication skills in spoken and written Spanish through use of DVD, composition, comprehension, and oral practice for students with an initial knowledge of Spanish. Aspects of contemporary Hispanic culture and society are also studied. An oral examination forms part of the final assessment.				
245.103	15 credits	S1	DL	PN
Hispanic Culture and Heritage				
An introduction to the main aspects of modern Hispanic history, literature, art and culture in Spain and the Spanish-speaking world. No prior knowledge of Spanish is required.				
245.201	15 credits	S1	DL	PN
Intermediate Spanish Language I				
Consolidation of written and oral comprehension and communication skills in Spanish, providing a broad linguistic base for study of Spanish and Latin American culture, literature and civilisation. An oral examination forms part of the final assessment.				
245.202	15 credits	S2	DL	PN
Intermediate Spanish Language II				
Further consolidation of skills in extensive reading, free composition, listening comprehension and oral communication through use of authentic written and aural material to illustrate aspects of contemporary Spanish and Latin American culture and society. An oral examination forms part of the final assessment.				
245.203	15 credits	S2	DL	PN
The Sound of Spanish: Diction, Dialects and Diversity				
The course introduces the students to socio-linguistic aspects of the use of Spanish including dialectal variations and bilingualism, through a study of basic Spanish phonetics and phonology, making special emphasis on practical aspects of both the pronunciation and the correct spelling of the language. Additionally, the course provides an insight into the pedagogy of Spanish language teaching.				
245.204	15 credits	S2	DL	PN
Latin American Voices				
An introduction to 20th century Latin American literature through a printed and audio anthology of short literary works in Spanish. The paper promotes the skills of reading and listening and develops techniques of literary and cultural analysis.				
245.301	15 credits	S1	DL	PN
Advanced Spanish Language				
Advanced study of Spanish language extending skills in reading, free composition, listening comprehension and oral communication. The paper illustrates aspects of contemporary Spanish and Latin American culture and society through use of authentic written and recorded documents.				
245.302	15 credits	S2	DL	PN
Theory and Practice of Translation				
Study of the theory and practice of translation from and into Spanish covering commercial, technical, administrative and literary documents and considering the role and responsibility of the translator.				
245.303	15 credits	S1	DL	PN
Latin American Rhythms and Politics: From Tango to Rock				
Study of representative Latin American music styles, especially those linked to key social and political events that have shaped Latin American History. This paper will be taught in Spanish.				

245.304	15 credits	S2 DL PN
Travellers' Tales: the Invention of Latin America		
An exploration of how Latin American people, landscape and culture have been defined through the writings of European, North American, Australasian and Latin American travellers. This paper will be taught in Spanish.		
245.305	15 credits	S2 DL PN
Spanish Conversation on Film		
Consolidation of spoken and written Spanish skills through the study of contemporary Latin American cinema, particularly through the work of filmmakers who have adopted the short-film format. It will provide insight into the filmmaking strategies used to engage cinema within current socio-political debates.		
245.701	30 credits	S1 DL PN
Latin American Cultural Identities		
This paper examines print and audiovisual cultural productions from Latin America in order to explore the construction of various cultural identities in different historical and geographical contexts. Taught in Spanish.		
245.702	30 credits	S1 DL PN
Hispanic Postcolonial Representations		
This paper examines a diversity of artistic and popular discourses to study the legacy and impact of and response to the various colonial and neo-colonial encounters that have characterized the Spanish-speaking cultures in different regions worldwide. Taught in Spanish.		
245.799	60 credits	S2 DL PN
Research Report Spanish (60)		
245.816	60 credits	S1 DL PN
Thesis 120 Credit Part 1		
245.817	60 credits	S2 DL PN
Thesis 120 Credit Part 2		
245.899	120 credits	* * *
Thesis		

246

NATURAL SCIENCES

246.101	15 credits	S2 I AL
Science and Sustainability		
This paper examines the major scientific issues behind our understanding of sustainability including: biodiversity, population, food and water resources, energy, climate change, and policy-making. Learning will be achieved through lectures, class discussions and enquiry-based group projects.		
246.102	15 credits	S2 I AL
Core Skills for Natural Scientists		
This paper introduces the sociology of science and develops the fundamental tools necessary for undertaking scientific inquiry and disseminating the scientific knowledge and understanding gained from these inquiries.		
246.201	30 credits	DS I AL
Systems and Models in the Natural Sciences		
This paper integrates the scientific concepts of Systems and Models into the study of the Natural Sciences. Critical analyses of these concepts are used to enhance the students' understanding and development of the fundamental tools required for undertaking scientific inquiry.		
246.301	15 credits	S1 I AL
Special Topic in Natural Sciences		
In this paper students will undertake in-depth investigations into aspects of one area within the Natural Sciences. Topics will be chosen by the students in consultation with the staff members who are facilitating the learning.		
246.302	30 credits	DS I AL
Research Themes in Natural Sciences		
This paper integrates the scientific concepts of Scale and of Constancy & Change into the study of the Natural Sciences. Critical analyses of these concepts are used to enhance the students understanding and development of the fundamental tools required for undertaking scientific inquiry. Topics will be chosen by the students in consultation with the staff members who are facilitating the learning.		
246.700	30 credits	DS I AL
Advanced Research Themes In Natural Sciences		
Students will critically examine and evaluate a selection of scientific concepts and theories, within the Natural Sciences, which integrate aspects of Systems, of Scale and of Constancy & Change from across the Natural Sciences.		

247

COLLEGE OF SCIENCES PAPERS

247.001	15 credits	S1 I AL
Foundation Mathematics I		
This paper introduces students to basic mathematical and statistical concepts. Content includes numeric and algebraic skills, functions, graphs and statistics. The paper is designed to lead into 100-level courses that require basic mathematics and/or statistics.		
247.002	15 credits	S1 I AL
Foundation Mathematics II		
This paper introduces students to fundamental mathematical and statistical concepts. Content includes algebra, functions, calculus and statistics. The paper is designed to lead into 100-level courses that require algebraic fluency.		
247.003	15 credits	S1 I AL
Bridging the Physical Sciences		
This paper focuses on basic physical concepts including, units of measurement, dynamics and forces, as well as the properties of atoms, atomic structure, and basic concepts of chemistry.		
247.004	15 credits	S1 I AL
Bridging the Biological Sciences		
This paper introduces a broad range of topics in the biological sciences, including the structure and function of cells, plants and animals (including humans), DNA and its control of cellular processes, genetics, ecology and evolution.		
247.222	15 credits	S1 B1 PN
New Zealand Internship Experience		
Practice and experience working within the New Zealand agrifood or wildlife management sector. Students will follow an agreed work plan and will document and present their internship experience through various communication channels.		
247.292	15 credits	S1 I AL
Special Topic		
A 200-level paper available for use in special cases to assist in completion of a student undergraduate programme.		
BIOLOGY		
247.300	15 credits	S1 I AL
Research in Biosciences		
The paper provides an opportunity for third year undergraduate students in the biological sciences to gain research experience in an academic laboratory. Under supervision of faculty students will develop a short research proposal, carry out the proposed research, write a research report, and present their findings.		
COLLEGE OF SCIENCES PAPERS		
247.392	15 credits	S1 I AL
Special Topic		
A 300-level paper available for use in special cases to assist in completion of a student undergraduate programme.		
247.712	30 credits	S1 I AL
Advanced Topics in Molecular Biology		
This paper will involve use of the current literature to critically examine the experimental systems used to advance knowledge in Molecular Biology.		
STATISTICS		
247.790	15 credits	S1 DL PN
Special Topic Applied Statistics		

247.791	15 credits	S1	DL	PN
Special Topic in Data Analysis		S1	I	PN
		S2	DL	PN
		S2	I	PN
		SS	DL	PN
		SS	I	PN

COLLEGE OF SCIENCES PAPERS

247.795	90 credits	DS	I	AL
BSc Honours Research Portfolio		DS	I	PN

A Research Portfolio including: (1) Preparation of a research proposal incorporating literature review, research planning, assessment of ethical issues, and methodology; (2) Completion of a Research Project; (3) Production of a Research Dissertation; Presentation of a Seminar.

248

VISUAL ARTS EDUCATION

248.325	15 credits	*	*	*
Visual Art Studio III				

An advanced course of studio work in an elected field leading to approved achievement through interview and exhibition. An individualised course of study is developed in consultation with Art Department staff.

248.326	15 credits	*	*	*
Art Education: Extension Studies				

A course that requires the identification and selection of particular issues in art education leading to personal research into the production of solutions which have practice applications.

248.327	15 credits	*	*	*
Art Research Practical Studies				

In-depth practical research into a selected field of New Zealand art history, the arts of the Māori, the arts of the Pacific, or art in cultural interaction.

249

SPECIAL AND INCLUSIVE EDUCATION

249.220	15 credits	*	*	*
Foundations and Implications of Early Onset Blindness or Low Vision				

A study of the theory and foundations of blindness and low vision and its impact on development and learning.

249.284	15 credits	S1	DL	PN
Introduction to Special Education and Inclusive Education				

Students will examine and evaluate Special Education and Inclusive Education in New Zealand including: their history and development; cultural implications; influential theoretical models, inclusion strategies and the team approach.

249.285	15 credits	S2	DL	PN
Factors that Influence the Learning of Students with Special Needs				

An examination of teaching strategies, educational implications and learning needs associated with particular disabilities and impairments.

249.287	15 credits	S1	DL	PN
Early Intervention				

An investigation of current early intervention services and of the methods used in identification, assessment and teaching of young children with special needs.

249.334	15 credits	S1	DL	PN
Creating Inclusive Classrooms				

A study of children who have special needs, including learning disabilities, intellectual, sensory or physical handicaps, behavioural disorders or special abilities. Emphasis is placed on the translation of research findings and theory into practice.

249.382	15 credits	DS	DL	PN
Teaching Techniques in Special Education				

Teachers will analyse theory and research underlying a range of teaching approaches and assessment, and collect assessment data and develop a programme to meet one student's special needs.

249.384	15 credits	S2	DL	PN
Consultation and Collaboration in Inclusive Education				

An examination of methods and practices used in a consultative approach to assist learners with special needs in an inclusive educational environment.

249.700	0 credits	DS	DL	PN
Braille Proficiency				

In order to complete the Postgraduate Diploma in Specialist Teaching (Blind and Low Vision), evidence that the candidate has successfully completed the Trans-Tasman Braille Proficiency Examination (Unified English Braille) must be submitted.

249.741	30 credits	S1	B1	AL
Assessment and Planning for Learners with Diverse Needs				

A study of contemporary assessment and programming practices for students with special needs. The implications of theory and research for teaching practice will be stressed.

249.742	30 credits	S2	B1	AL
Teaching Methods for Learners with Diverse Needs				

A study of contemporary teaching approaches for different areas of special needs, with a particular emphasis on the implications of theory and research for teaching practice.

249.744	30 credits	DS	DL	PN
Understanding Learners with Behaviour Difficulties				

An advanced study of emotional and behavioural difficulties. Major topics include terminology, definition, classification, contributing causes, theoretical perspectives, behavioural characteristics, educational and ethical considerations, and remediation with a focus on the ecological perspective.

249.745	30 credits	S2	B1	PN
Theory and Foundations of Autism Spectrum Disorder				

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners with Autism Spectrum Disorder.

249.746	30 credits	S2	B1	PN
Theory and Foundations of Blind and Low Vision Education				

An advanced study of theoretical and research-based foundations for specialist teachers relating to the understanding of the development and learning needs of students who are blind or have low vision.

249.749	30 credits	DS	B1	PN
Evidence-based Interprofessional Practice in Autism Spectrum Disorder				

An examination of evidence-based practices in the education of learners with Autism Spectrum Disorder, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

249.750	30 credits	DS	B1	PN
Practicum Autism Spectrum Disorder				

A supervised practicum working with learners with Autism Spectrum Disorder.

249.751	30 credits	DS	B1	PN
Evidence-based Interprofessional Practice in Blind and Low Vision Education				

An examination of evidence-based practices for specialist teachers of learners who are blind or low vision, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

249.752	30 credits	DS	B1	PN
Practicum in Blind and Low Vision Education				

A supervised practicum working with learners who are blind or have low vision.

249.753	30 credits	S2	B1	PN
Theory and Foundations of Learning and Behaviour Diversity				

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners who have needs in the area of Learning and Behaviour.

249.754	30 credits	DS	B1	PN
Evidence-based Interprofessional Practice in Learning and Behaviour Diversity				

An examination of evidence-based practices in the area of Learning and Behaviour, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

249.755	30 credits	DS	B1	PN
Practicum in Learning and Behaviour Diversity				

A supervised practicum in the area of Learning and Behaviour difficulties.

249.760	30 credits	S2	B1	AL
Theory and Foundations of Complex Educational Needs				

An advanced study of theoretical and research-based foundations of specialist teaching relating to understanding, recognising, assessing and providing for learners who have complex educational needs.

249.761 **30 credits** DS B1 AL
Evidence-based Interprofessional Practice in Complex Educational Needs
 An examination of evidence-based practices for specialist teachers of learners who are have complex educational needs, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

249.763 **30 credits** DS B1 AL
Practicum in Complex Educational Needs
 A practicum to support the inclusion of learners with complex educational needs in education.

249.770 **15 credits** S2 B1 AL
Supervision and Mentoring in Specialist Teaching
 This paper critically examines advanced theory and practice in the area of mentoring and supervision in special and inclusive education. Students will engage in practical applications in their teaching and learning context.

250

HEALTH

250.131 **15 credits** S1 DL WL
Health Studies S1 I PN
 An exploration of personal and social understandings of the question 'what is health'? Particular emphasis is placed upon social, economic and environmental determinants of health and health promotion.

250.231 **15 credits** S2 DL PN
Health and Health Inequalities S2 I PN
 An exploration of social and political influences on contemporary debates in relation to health determinants and health inequalities and health care in New Zealand.

250.232 **30 credits** S2 B1 WL
Global Health: The Importance of Sustainable Environments
 This course will examine the relationship between global health and sustainable natural and human environments, integrating diverse natural, biological, and social science perspectives. Academic content will be delivered through assigned readings, active participation, critical reflection, presentations and seminars.

250.233 **15 credits** * * *
Gender and Health
 The notion of socially constructed masculinity and femininity is examined in relation to its impact on health and healthcare.

250.234 **0 credits** S2 B1 WL
Global Health and Global Citizenship
 Students will participate in a structured fieldtrip experience.

250.317 **15 credits** S1 DL PN
Disability in Society
 This paper examines the social and political context in which disability is created in contemporary society. Topics covered include models of disability, the disability industry, the disability rights movement, the body, cultural and media representations and the politics of disablement.

250.331 **15 credits** S1 DL PN
Health of Communities
 Strategies for assessing and promoting the health of populations are examined and local, national and international responses to health issues explored.

250.333 **15 credits** S1 DL PN
Health and Ageing
 A discussion of the biological, psychological, social and spiritual dimensions of health in 'normal' ageing.

250.741 **30 credits** * * *
Managing Professional Practice
 The management and leadership of health professional practice in the New Zealand context is examined and discussed.

252

SLEEP AND CIRCADIAN SCIENCE

252.201 **15 credits** S1 B1 WL
Sleep, Circadian Rhythms, and Shift Work S1 DL WL
 Introduction to sleep and circadian physiology emphasising their vital importance for understanding human health, disease process, recovery, and rehabilitation. Considers the challenges to sleep and circadian physiology posed by the 24/7

society, and applications to occupational health and safety, particularly shift work and fatigue management.

252.701 **30 credits** S1 DL WL
Sleep and Circadian Science for Health Practitioners
 An examination of sleep and circadian science in relation to health and healthcare, including healthy sleep, sleep disorders and sleep in those with medical conditions.

252.702 **30 credits** S1 DL WL
Sleep, Fatigue Risk Management and Occupational Safety and Health
 The application of sleep and circadian science in fatigue risk management, shift work, and occupational health and safety. An overview of the organisational processes required to implement a fatigue risk management system, as well as regulatory requirements for management of fatigue and shift work in occupational safety and health.

253

COUNSELLING AND GUIDANCE

253.250 **15 credits** S2 DL PN
Counselling Principles and Practice
 An examination of the fundamental principles of counselling, with particular emphasis on the central assumptions, theoretical constructs and applications of major approaches.

253.255 **15 credits** S1 DL PN
Cultural Issues in Counselling
 An examination of selected cultural issues relevant to counselling theory and process.

253.353 **15 credits** S1 DL PN
Guidance Principles and Practice
 An examination of the fundamental principles of guidance. Guidance practice is studied, focusing on roles, organisation and intervention procedures.

253.355 **15 credits** * * *
Professional Issues in Counselling
 An in-depth consideration of significant professional issues in the field of counselling.

253.750 **30 credits** DS DL PN
Counselling Theory
 A study of the theoretical bases of counselling. The paper examines the place of counselling in society, its philosophical foundations, empirical status and major principles. Particular emphasis is given to selected approaches.

253.753 **30 credits** DS DL PN
Guidance in Education
 A study of guidance in educational settings. Attention is given to the philosophical foundations of guidance, its social implications, organisation and roles. Intervention procedures for individuals and groups are examined.

253.754 **30 credits** * * *
Family and Couples Counselling
 A study of the theoretical bases of family and couples counselling. Attention is given to the concepts of 'family' and 'couple' and to systems theory. The processes of counselling families and couples are examined with regard to various approaches.

253.755 **30 credits** DS DL PN
Culture and Counselling
 An examination of the significance of culture in counselling. A multicultural perspective is adopted but with particular attention to the context in Aotearoa/New Zealand.

253.758 **30 credits** * * *
Research Project in Counselling
 A negotiated research project related to any relevant aspect of counselling or counselling-related activity.

253.761 **45 credits** S1 B1 PN
Professional Development in Counselling I
 The development of attitudes and skills for effective counselling practice, informed by current research and undertaken in the context of campus-based workshops and field-based supervised practice.

253.762 **30 credits** S2 B1 PN
Professional Development in Counselling II
 A continuation and integration of personal and professional development undertaken in Professional Development I whilst pursuing field-based practice and campus-based workshops.

253.800 **45 credits** DS DL PN
Research Project in Counselling
 A negotiated research project related to relevant aspects of counselling or counselling-related activity.

254

EDUCATION STUDIES

254.101 **15 credits** S1 DL PN
An Introduction to Social and Cultural Studies in Education S1 I PN
 A critical examination of social, cultural, political, historical and philosophical influences on the development of education in Aotearoa/New Zealand and internationally.

254.102 **15 credits** DS B1 AL
Introduction to Professional and Ethical Practice in Different Learning Contexts
 An examination of the practice of professionals working with learners with multicultural and diverse needs. It provides a theoretical overview of ethical and professional practice and observational experience of professionals in action.

254.103 **15 credits** S2 DL PN
Learning in the Digital Age
 An introduction to the relationship between learning and digital technologies within formal, non-formal and informal settings. An emphasis is placed on the changing conceptions of literacy in the digital age.

254.124 **15 credits** * * *
An Introduction to Science
 An introduction to science for non-scientists. Science is presented as an activity which is highly relevant to many aspects of daily life and which is built on a foundation of questions and simple ideas arising from observations and considerations of natural phenomena and objects. Using everyday language and a minimum of mathematics, this course will provide an understanding of science and its processes by presenting students with both practical and theoretical problem-solving experiences in a wide range of topics.

254.162 **15 credits** S2 DL PN
Introduction to Literacy and Numeracy
 An introduction to the development of specialised subject content and pedagogical content knowledge for teachers of literacy and numeracy in Aotearoa/New Zealand.

254.201 **15 credits** S2 DL PN
Philosophy of Education I S2 I PN
 An introduction to philosophy of education with specific emphasis on the ethics of best teaching practice to enhance student learning.

254.203 **15 credits** S1 DL PN
Sociology of Education S1 I PN
 An examination of the contribution that sociology can make to educational practice.

254.208 **15 credits** * * *
Spaceship Earth and Beyond
 This paper focuses on pedagogical content knowledge to teach astronomy and earth science in schools. An exploration of Earth's unique position in space integrates introductory astronomy and earth science concepts.

254.231 **15 credits** S2 DL PN
Curriculum Theory, Policy and Practice
 An introduction through the skills of critical analysis to the politics of curriculum formation and implementation. A study of the historical basis of curriculum formation in Aotearoa/New Zealand, broad curriculum traditions, curriculum in relation to class, cultural, ethnic and gender differences and the move to education marketisation.

254.301 **15 credits** S1 DL PN
Philosophy of Education II S1 I PN
 A philosophical study of teaching with a focus on the ethics of selected aspects of educational and classroom practice of concern to teachers, parents and students.

254.303 **15 credits** S2 DL PN
Advanced Sociology of Education S2 I PN
 An analysis of the social processes that generate inequality in education.

254.304 **15 credits** S2 DL PN
Educational Theory S2 I PN
 A largely thematic approach. Major topics include equality of educational opportunity, influences from overseas, ideology within the state system, the education of women and Māori education. Education is viewed within a wider perspective of economic, political and social change.

254.319 **15 credits** * * *
Role of the Associate and Tutor Teacher
 Examines theory and practice of the role of Associate and Tutor Teachers in mentoring and induction, with particular focus on validation and modification of beliefs and practice.

254.322 **15 credits** * * *
Composition and Improvisation
 This paper will include composition, both improvised and notated for various instrumental and vocal combinations and in a wide variety of musical styles; and the performance and receptive settings.

254.330 **15 credits** SS DL PN
Philosophy for Children
 An introduction to the history, theory and practices of encouraging children to think philosophically.

254.332 **15 credits** * * *
School Organisation and Management
 Theory and practice foundations of school management.

ARTS AND LANGUAGES EDUCATION

254.333 **15 credits** * * *
Educational Media
 A study that examines theoretical, contextual and practical aspects of visual language and their application within educational settings.

EDUCATION STUDIES

254.335 **15 credits** * * *
Values Across the Curriculum
 A study of values in the New Zealand curriculum. Topics include the nature of values and their justification; social, cultural and religious aspects of values; the place of values in the classroom; the role of the teacher in promoting values; and approaches to the teaching and learning of values.

254.336 **15 credits** * * *
Education in the Digital Age
 A critical analysis of contemporary theory, research and practice relating to the use of information and communication technology (ICT) in education. The focus is on understanding how different ICTs can be used to create active and meaningful e-learning environments that promote critical social and thinking skills.

254.337 **15 credits** S1 DL PN
Teaching of Pacific Island Students in New Zealand Contexts
 An examination of learning processes and styles of Pacific students and children and how these are influenced by their cultural beliefs and values. Participants will be encouraged to identify and use appropriate teaching strategies, resources, management, and technologies which enable Pacific children in New Zealand to learn effectively.

254.352 **15 credits** * * *
Coastal Processes
 A study of coastal contemporary physical processes and their influence on the nature of present-day coastlines and contemporary population dynamics of the littoral zone. A substantial field investigation is an essential component of the course.

254.377 **15 credits** S1 DL PN
Teaching and Learning Languages up to Year 10 S1 I PN
 This paper provides students with an overview of the theory and practice of teaching languages in New Zealand schools up to Year 10 level.

SOCIAL AND POLICY STUDIES IN EDUCATION

254.382 **15 credits** * * *
Administrative Project
 Teachers will design and implement a development project.

EDUCATION STUDIES

254.701 **30 credits** * * *
Ethics in Education
 A critical study of the ethics of selected aspects of educational policy and practice.

254.702 **30 credits** DS DL PN
Facing Big Questions in Education
 An interdisciplinary study of important questions around pedagogy, learning, curriculum and assessment, which challenge teachers in a variety of educational settings. The paper will help teachers develop purposeful and practical connections between scholarly work and their own practice.

254.704 **30 credits** * * *
Education and Historical Analysis
 An advanced study using case studies of the ways in which education historians have analysed education in New Zealand and elsewhere.

254.706 **30 credits** DS DL PN
Advanced Studies in Curriculum Policy and Practice
 A study of historical and contemporary curriculum from formation to practice. Changes in curriculum and assessment are examined in the light of local and global influences. Students apply theory and practice-based research to issues of knowledge, learning, teachers' work, students' experiences and school-based curricula.

254.744 **30 credits** DS DL PN
Educational Issues Among Pacific Islands Peoples in New Zealand
 A critical examination of current issues in education which affect Pacific Islands peoples in New Zealand. Students will consider the place of Pacific Islands peoples in New Zealand society and design strategies for meeting their educational needs within specified professional fields of interest.

254.765 **30 credits** S1 B1 AL
Core Theory and Foundations of Specialist Teaching
 Advanced study of generic core theory and foundations of specialist teaching common to professionals working in relevant areas.

254.773 **30 credits** DS DL PN
Educational Policy Analysis
 An analysis of selected policy issues, theories and methods in the analysis of educational policies.

254.774 **30 credits** DS DL PN
Evaluation of Educational Organisations
 A study of approaches used for evaluating educational institutions with emphasis on issues around school effectiveness and improvement including global influences of standardization and control, and ethical and culturally appropriate practices.

254.775 **30 credits** DS DL PN
Management of Human Resources in Educational Organisations
 A study of issues in and strategies for the effective management of personnel in educational organisations.

256

EDUCATIONAL PSYCHOLOGY

256.201 **15 credits** S2 DL PN
Educational Psychology S2 I AL
 An examination of the contribution of psychology to an understanding of educational processes with a focus on the learner, learning processes and instruction. Issues of theory, research and application will be studied in a variety of educational situations.

256.303 **15 credits** S1 DL AL
Sustainable Learning S1 I AL
 An analysis of how to best support learning and teaching in educational settings through the application of Western and Māori frameworks.

256.304 **15 credits** S2 DL AL
Positive Behaviour for Learning S2 I AL
 This paper provides in depth exploration of the strategies and interventions for maintaining positive learning environments that support effective school engagement and achievement.

256.754 **30 credits** DS B1 AL
Assessment in Educational Psychology
 An in-depth analysis and application of traditional and contemporary approaches to assessment in Educational Psychology.

256.755 **30 credits** DS B1 AL
Professional Practice in Educational Psychology
 Competencies, attitudes and dispositions that contribute to professional practice in Educational Psychology are examined, critiqued and developed. Particular attention is given to bicultural issues, professional ethical issues, accountability and reflective practice.

256.756 **30 credits** DS B1 AL
Applied Behaviour Analysis for Educators
 This paper focuses on applied behaviour analysis oriented to analysis, assessment and intervention within school and other educational settings. The course is designed to assist students to be aware of environmental/behavioural relationships, to be able to observe, analyse and assess interactive behaviour in an educational setting, and be able to recommend, implement, evaluate and adjust therapeutic interventions.

256.841 **30 credits** DS B1 AL
Case Study Analyses
 Casework involving preschoolers, children and adolescents and their caregivers/teachers/whanau is undertaken during the year under supervision of registered psychologists. This is presented as a folio of casework to be assessed throughout the course. The folio of casework includes projects that centre on working with

individuals, groups and systems. The casework undertaken will be decided according to the individual and professional development needs of the student.

256.842 **60 credits** * * *
Professional Practice in Educational Psychology
 This paper covers the development of professional skills in field work as an educational psychologist. It involves the student in creating a personal plan in consultation with supervisors and lecturers. Students' practical skills will be assessed in simulated video and in vivo sessions. Another section of the paper will involve students choosing particular applied areas in which to gain in-depth specialist knowledge. This may involve the student attending additional workshops and training sessions. Assessment methods are subject to individual negotiation.

256.843 **30 credits** DS B1 AL
Professional Practice Examination Process
 The examination process includes submission of the professional practice portfolio and reports from field work supervisors. The final oral exam involves a thorough investigation of the year's work as presented by the student and with reference to the Core Competencies of the New Zealand Psychologists' Board.

256.844 **30 credits** S1 B1 AL
Advanced Professional Practice in Educational Psychology I
 Advanced study and supervised professional practice in Educational Psychology with particular emphasis on the Core Competencies (NZ Psychologists Board) required for clinical practice.

256.845 **30 credits** S2 B1 AL
Advanced Professional Practice in Educational Psychology II
 Continued advanced study and supervised professional practice in Educational Psychology with particular emphasis on the Core Competencies (NZ Psychologists Board) required for clinical practice.

257

ENGLISH LANGUAGE TEACHING

257.370 **15 credits** S1 I PN
Teaching Learners of English as Another Language S2 DL PN
 A reflective approach to developing effective skills in the teaching of English as another language (TESOL), including assessment, planning, and the design of resource materials. Students will explore strategies for facilitating language learning in a range of specific contexts.

257.375 **15 credits** S1 DL PN
Learning English as Another Language S2 I PN
 A specialised study of the skills and processes involved in learning English as another language (ESOL) and the factors affecting success. Consideration will be given to the variety of learners in New Zealand; the interrelationship between language, culture and world-view; current theories on second language learning; and the analysis of the spoken and written language of new learners of English.

257.766 **30 credits** S1 DL PN
Leading TESOL in Diverse Contexts S1 I PN
 A study of the historical development of leadership theory and a S2 I PN
 contrastive examination of TESOL leadership in different international contexts.

257.767 **30 credits** S1 I PN
Current Issues and Innovations in TESOL Leadership S2 DL PN
 A study of issues and innovations in TESOL leadership and S2 I PN
 professional development, including factors such as context, global impacts, and new technologies.

257.769 **30 credits** S2 DL PN
Teaching Content to English Language Learners S2 I PN
 An in-depth, critical examination of theory, research, practice and issues relevant to teaching content through the medium of English language in a mainstream context where students have English as an Additional Language.

258

LITERACY EDUCATION

258.233 **15 credits** * * *
Teaching of Language and Reading
 Introduction to the cultural and cognitive aspects of language development. Theoretical bases for the teaching of reading seen in relation to current national and overseas trends.

258.301 **15 credits** S1 DL PN
Language, Literacy and Cognitive Development S1 I AL
 A critical study of contemporary research on language, literacy and cognitive development particularly in the context of growing up in New Zealand in diverse cultural contexts (including Māori) and with reference to Treaty of Waitangi considerations.

258.337 **15 credits** S1 DL PN
Teaching Students with Reading Difficulties
 This paper examines recent evidence relating to the determinants of later literacy development. The relative importance of various strategies for teaching reading are also investigated. Selected remedial reading programmes will also be examined.

ARTS AND LANGUAGES EDUCATION

258.372 **15 credits** * * *
Reading Project
 A classroom study of a topic related to reading difficulties.

LITERACY EDUCATION

258.720 **30 credits** DS DL PN
Foundations of Literacy Education
 An advanced study of the acquisition of literacy skills in students focusing on how knowledge of language structure and the cognitive processes involved in literacy learning can be translated into effective teaching practices.

258.721 **30 credits** DS DL PN
Teaching Students with Literacy Learning Difficulties
 An examination of best practices for the assessment and teaching of students with literacy learning difficulties.

258.722 **30 credits** DS DL PN
The Nature, Prevention and Remediation of Literacy Learning Difficulties
 An advanced study of theory and research on reading and writing difficulties experienced by students focusing on intervention strategies/programmes that can be used to help these students overcome their literacy learning problems.

258.723 **30 credits** DS DL PN
Teaching Writing in the Classroom
 An advanced study of research into written composition development; strategies for enhancing student competencies and for overcoming specific areas of need in writing in contemporary classrooms.

259

EDUCATIONAL ADMINISTRATION AND LEADERSHIP

259.771 **30 credits** DS DL PN
Educational Leadership in Action
 A study of leadership in action including reflective practice, professional and curriculum leadership, and decision-making in education, based on selected organisational and policy contexts.

259.772 **30 credits** DS DL PN
Theory and Process in Educational Leadership
 A critical examination of discourses, policies and practices of educational organisation, leadership and reform.

259.776 **30 credits** * * *
Gender Issues and Educational Leadership
 This paper examines a range of social justice issues and challenges for educational leaders that emerge out of intersections between gender, sexuality and ethnicity.

259.777 **30 credits** * * *
Leadership and Learning in Diverse Contexts
 This paper examines educational leadership aims and practice within an Aotearoa / New Zealand context, through critical self reflection, drawing on local and international research and literature about leadership, learning and change.

260

SECONDARY TEACHING

260.420 **15 credits** DS DL PN
Teaching Mathematics DS DL1 PN
 This course provides students with an overview of the theory and practice of teaching Mathematics in the context of the New Zealand Curriculum Framework at secondary school level.

260.421 **15 credits** DS DL PN
Teaching Senior Mathematics
 An introduction to the teaching of Mathematics in Years 11, 12 and 13.

260.422 **15 credits** DS DL PN
Teaching Science DS DL1 PN
 This course provides students with an overview of the theory and practice of teaching Science in the context of the New Zealand Curriculum Framework at secondary school level.

260.423 **15 credits** DS DL PN
Teaching Senior Agriculture/Biology/Horticulture
 An introduction to the teaching of Agriculture/Biology/Horticulture in Years 11, 12 and 13.

260.424 **15 credits** DS DL PN
Teaching Senior Chemistry
 An introduction to the teaching of Chemistry in Years 11, 12 and 13.

260.425 **15 credits** DS DL PN
Teaching Senior Physics
 An introduction to the teaching of Physics in Years 11, 12 and 13.

260.426 **15 credits** DS DL PN
Teaching Technology
 This course provides students with an overview of the theory and practice of teaching technology in the context of the New Zealand curriculum at secondary school level.

260.427 **15 credits** DS DL PN
Teaching Senior Technology
 An introduction to the teaching of Technology in Years 11, 12 and 13.

TECHNOLOGY, SCIENCE AND MATHEMATICS EDUCATION

260.428 **15 credits** DS DL PN
Teaching Graphics
 An introduction to the teaching of Graphics in Years 9 to 13.

SECONDARY TEACHING

260.429 **15 credits** DS DL PN
Teaching Languages
 An introduction to the teaching of languages in the New Zealand secondary school setting.

260.430 **15 credits** DS DL PN
Teaching Senior Languages
 An introduction to the teaching of languages in Years 11,12 and 13

260.431 **15 credits** DS DL PN
Teaching English DS DL1 PN
 This is a generic course which will provide an overview of the theory and practice of teaching English in the context of the New Zealand Curriculum Framework at secondary school level.

260.432 **15 credits** DS DL PN
Teaching Senior English
 An introduction to the teaching of English in Years 11, 12 and 13

260.433 **15 credits** DS DL PN
Teaching Drama
 An introduction to the teaching of Drama in Years 9 to 13.

260.434 **15 credits** DS DL PN
Teaching Social Studies DS DL1 PN
 This course provides students with an overview of the theory and practice of teaching Social Studies in the context of the New Zealand Curriculum Framework at secondary school level.

260.435 **15 credits** DS DL PN
Teaching Senior History
 An introduction to the teaching of History in Years 11, 12 and 13.

260.436 **15 credits** DS DL PN
Teaching Senior Geography
 An introduction to the teaching of Geography in Years 11, 12 and 13

260.437 **15 credits** DS DL PN
Teaching Senior Commerce
 An introduction to the teaching of Economics in Years 11, 12 and 13.

260.438 **15 credits** DS DL PN
Teaching Music
 This course provides students with an overview of the theory and practice of teaching music in the context of the New Zealand curriculum at secondary school level.

		Sem	Mode	Loc
260.439	15 credits	DS	DL	PN
Teaching Senior Music				
This course provides students with an overview of the teaching of secondary school music in years 11, 12 and 13.				
260.440	15 credits	DS	DL	PN
Musicianship for School Instrumental Music Teachers				
The development of skills and knowledge in musical performance and leadership as appropriate to instrumental Music teaching in the school setting.				
260.441	15 credits	DS	DL	PN
Teaching Health and Physical Education				
This course provides students with an overview of the theory and practice of teaching Health and Physical Education in the context of the New Zealand Curriculum Framework at secondary school level.				
260.442	15 credits	DS	DL	PN
Teaching Senior Physical Education				
An introduction to the teaching of Health and Physical Education in Years 11, 12 and 13.				
260.443	15 credits	DS	DL	PN
Teaching Health				
An introduction to the teaching of Health Education in years 9 and 10.				
260.444	15 credits	DS	DL	PN
Teaching Visual Arts				
This course provides students with an overview of the theory and practice of teaching the visual arts in the context of the New Zealand curriculum at secondary school level.				
260.445	15 credits	DS	DL	PN
Teaching Senior Visual Arts				
This course provides students with an overview of the theory and practice of teaching the visual arts in years 11, 12 and 13.				
260.446	15 credits	DS	DL	PN
Teaching Senior Art History				
An introduction to the teaching of Art History in years 12 and 13				
260.481	15 credits	*	*	*
Secondary Teaching Experience International I				
This course introduces students to pedagogical knowledge in an international educational context and prepares for personal and professional growth through ongoing reflection.				
260.482	15 credits	*	*	*
Secondary Teaching Experience (International) II				
This course provides students with the opportunity to extend and diversify their pedagogical knowledge through the synthesis and application of teaching skills and reflective practice.				
260.483	15 credits	S1	DL	PN
Secondary Teaching Experience I				
This course introduces students to pedagogical knowledge in educational contexts and prepares for personal and professional growth through ongoing reflection.				
260.484	15 credits	S1	DL	PN
Secondary Teaching Experience II				
This course provides students with the opportunity to extend and diversify their pedagogical knowledge through the synthesis and application of teaching skills and reflective practice.				
260.490	15 credits	S1	DL	PN
Teaching in Context I				
An examination of the roles and responsibilities of teachers in promoting learning for all learners. Drawing on international research, students will reflect on themselves as learners and teachers together with factors that influence learning and teaching.				
260.491	15 credits	S2	DL	PN
Teaching in Context II				
An examination of the roles and responsibilities of teachers in promoting learning. Drawing on international research, students will reflect on and analyse the relationship between social, cultural, historical, and contemporary educational contexts and their influence on learning and teaching.				
260.492	15 credits	DS	DL	PN
Teaching and Learning in a Secondary Context				
An examination of the roles and responsibilities of teachers in promoting learning for adolescent learners within a secondary context. Drawing on international research, students will reflect on and analyse a range of contextual factors and their influence on learning and teaching in secondary school educational settings.				

		Sem	Mode	Loc
260.701	15 credits	*	*	*
Teaching in Context I				
A critical examination of the roles and responsibilities of teachers in promoting learning for all learners. Drawing on international research, students will reflect critically on themselves as learners and teachers together with factors that influence learning and teaching.				
260.702	15 credits	*	*	*
Teaching in Context II				
A critical examination of the roles and responsibilities of teachers in promoting learning. Drawing on international research, students will reflect on and critically analyse the relationship between social, cultural, historical, and contemporary educational contexts and their influence on learning and teaching.				
260.703	15 credits	*	*	*
Professional Practice I				
A preparation for professional practice in school contexts, through teaching, critical self-reflection and evaluation of practice. Students will critique theory, content knowledge and pedagogical content knowledge in light international research.				
260.704	15 credits	*	*	*
Professional Practice II				
An advanced preparation for professional practice through the application, integration, synthesis, and critical self evaluation of theory, content knowledge and pedagogical content knowledge in light of international research.				
260.705	15 credits	*	*	*
Teaching and Learning in a Secondary Context				
A critical examination of the roles and responsibilities of teachers in promoting learning for adolescent learners within a secondary context. Drawing on international research, students will reflect on and critically analyse a range of contextual factors and their influence on learning and teaching in secondary school educational settings.				
260.720	15 credits	*	*	*
Teaching and Learning Mathematics				
A critical overview of contemporary research based theory and practice of teaching and learning Mathematics at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Mathematics in the context of international literature.				
260.721	15 credits	*	*	*
Teaching and Learning Senior Mathematics				
A critical overview of contemporary research based theory and practice of teaching and learning Mathematics at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Mathematics in the context of international literature.				
260.722	15 credits	*	*	*
Teaching and Learning Science				
A critical overview of contemporary research based theory and practice of teaching and learning Science at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Science in the context of international literature.				
260.723	15 credits	*	*	*
Teaching and Learning Senior Agriculture/Biology/Horticulture				
A critical overview of contemporary research based theory and practice of teaching and learning Senior Agriculture/Biology/Horticulture at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Agriculture/Biology/Horticulture in the context of international literature.				
260.724	15 credits	*	*	*
Teaching and Learning Senior Chemistry				
A critical overview of contemporary research based theory and practice of teaching and learning Senior Chemistry at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Chemistry in the context of international literature.				
260.725	15 credits	*	*	*
Teaching and Learning Senior Physics				
A critical overview of contemporary research based theory and practice of teaching and learning Senior Physics at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Physics in the context of international literature.				
260.726	15 credits	*	*	*
Teaching and Learning Technology				
A critical overview of contemporary research based theory and practice of teaching and learning Technology at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in technology in the context of international literature.				

260.727	15 credits	* * *
Teaching and Learning Senior Technology		
A critical overview of contemporary research based theory and practice of teaching and learning Technology at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Technology in the context of international literature.		
260.728	15 credits	* * *
Teaching and Learning Graphics		
A critical overview of contemporary research based theory and practice of teaching and learning Graphics at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Graphics in the context of international literature.		
260.729	15 credits	* * *
Teaching and Learning Languages		
A critical overview of contemporary research based theory and practice of teaching and learning Languages at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Languages in the context of international literature.		
260.730	15 credits	* * *
Teaching and Learning Senior Languages		
A critical overview of contemporary research based theory and practice of teaching and learning Languages at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Languages in the context of international literature.		
260.731	15 credits	* * *
Teaching and Learning English		
A critical overview of contemporary research based theory and practice of teaching and learning English at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in English in the context of international literature.		
260.732	15 credits	* * *
Teaching and Learning Senior English		
A critical overview of contemporary research based theory and practice of teaching and learning English at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior English in the context of international literature.		
260.733	15 credits	* * *
Teaching and Learning Drama		
A critical overview of contemporary research based theory and practice of teaching and learning Drama at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Drama in the context of international literature.		
260.734	15 credits	* * *
Teaching and Learning Social Studies		
A critical overview of contemporary research based theory and practice of teaching and learning Social Studies at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Social Studies in the context of international literature.		
260.735	15 credits	* * *
Teaching and Learning Senior History		
A critical overview of contemporary research based theory and practice of teaching and learning History at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior History in the context of international literature.		
260.736	15 credits	* * *
Teaching and Learning Senior Geography		
A critical overview of contemporary research based theory and practice of teaching and learning Geography at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Geography in the context of international literature.		
260.737	15 credits	* * *
Teaching and Learning Commerce		
A critical overview of contemporary research based theory and practice of teaching and learning Commerce at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Commerce in the context of international literature.		
260.738	15 credits	* * *
Teaching and Learning Music		
A critical overview of contemporary research based theory and practice of teaching and learning Music at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Music in the context of international literature.		

260.739	15 credits	* * *
Teaching and Learning Senior Music		
A critical overview of contemporary research based theory and practice of teaching and learning Music at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Music in the context of international literature.		
260.740	15 credits	* * *
Teaching and Learning School Instrumental Groups		
A critical overview of the roles and responsibilities of the school instrumental teacher. This paper examines, in the context of international literature, contemporary theory and practice of group instrumental (includes vocal) teaching and learning, and ensemble leadership. It includes the development and critical appraisal of learning and assessment plans and materials for promoting learning in a range of group instrumental settings.		
260.741	15 credits	* * *
Teaching and Learning Health and Physical Education		
A critical overview of contemporary research based theory and practice of teaching and learning Health and Physical Education at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Health and Physical Education in the context of international literature.		
260.742	15 credits	* * *
Teaching and Learning Senior Physical Education		
A critical overview of contemporary research based theory and practice of teaching and learning Physical Education at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Physical Education in the context of international literature.		
260.743	15 credits	* * *
Teaching and Learning Health		
A critical overview of contemporary research based theory and practice of teaching and learning Health at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Health in the context of international literature.		
260.744	15 credits	* * *
Teaching and Learning Visual Arts		
A critical overview of contemporary research based theory and practice of teaching and learning Visual Arts at secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Visual Arts in the context of international literature.		
260.745	15 credits	* * *
Teaching and Learning Senior Visual Arts		
A critical overview of contemporary research based theory and practice of teaching and learning Visual Arts at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Visual Arts in the context of international literature.		
260.746	15 credits	* * *
Teaching and Learning Senior Art History		
A critical overview of contemporary research based theory and practice of teaching and learning Art History at senior secondary school. This paper includes the development and critical appraisal of learning and assessment plans and resources for promoting learning in Senior Art History in the context of international literature.		
260.760	30 credits	S1 PN
Secondary Curriculum 1		
An introduction to and analysis of the professional requirements of the New Zealand Curriculum and assessment frameworks.		
260.761	30 credits	S2 PN
Secondary Curriculum 2		
Clinical application and analysis of learning areas in the New Zealand Curriculum and of assessment frameworks.		

261

E-LEARNING

261.760	30 credits	DS DL PN
Instructional Design for E-Learning		
This paper provides an introduction to formal instructional design processes. It links general instructional design theories, issues in instructional design for E-Learning and practical instructional design activity in context. Special attention to the role of technologies and the particular issues associated with networked/online delivery of educational programmes.		

261.764 **30 credits** DS DL PN
Foundations of E-Learning
 Students undertake a study of the concepts, principles and history which underpin contemporary E-Learning. The paper includes a particular focus on the historical links between E-Learning and distance education, flexible delivery mechanisms, the role of technology in flexible delivery and the implied shifts in roles and responsibilities of stakeholders in educational programmes which employ E-Learning. The course includes a critical experiential learning dimension in which contemporary concepts and principles of flexible delivery are embodied in the design of the course.

261.765 **30 credits** S2 DL PN
Trends in E-Learning
 The paper is a study of the ongoing evolution of E-Learning through an examination of contemporary E-Learning research and practice. The approach to the course is generative with learner contributions forming a significant part of the ongoing evolution of course content. Topics covered include not only issues of teaching and learning, but also learning design, new/emerging technologies and support processes.

261.766 **30 credits** S1 DL PN
Teaching for E-learning
 An examination and critique of the principles and practices of teaching with new educational technologies emphasising analyses of implications for distance and distributed learning.

262

GIFTED AND TALENTED

262.339 **15 credits** S2 DL PN
The Education of Gifted and Talented Students
 A study of conceptual issues associated with the education of the gifted and talented in a multicultural context. Methods of identification and educational programmes for children with special abilities are examined as well as contemporary issues.

262.751 **30 credits** S2 B1 PN
Theory and Foundations of Gifted and Talented Education S2 DL PN
 An advanced study of theoretical and research-based foundations for understanding, identifying, and developing an individual's exceptional abilities and qualities through analysis and application of the concepts, principles, and history underpinning gifted and talented education.

262.752 **30 credits** DS B1 PN
Evidence-based Interprofessional Practice in Gifted and Talented Education
 An examination of evidence-based practices in the education of gifted and talented students, including common professional practices of specialist teachers and other educational and health professionals involved in special and inclusive education.

262.753 **30 credits** DS B1 PN
Practicum in Gifted and Talented Education
 A supervised practicum in gifted and talented education.

263

LEARNING AND TEACHING

263.301 **15 credits** S1 DL PN
Learning and Motivation S1 I AL
 A study of contemporary theory and research on motivation in educational contexts with emphasis on implications for learning and for educational practice. S1 I PN

263.331 **15 credits** S1 DL PN
Assessment of Learning
 Assessment concepts and procedures for learning and teaching, the construction and use of educational assessments, and contemporary issues in evaluation.

263.701 **30 credits** S2 DL PN
Enhancing Teacher Learning and Mentoring S2 I PN
 An advanced study of teacher learning in which a teacher examines and alters their practice and influences others in light of research and professional learning literature.

263.704 **30 credits** DS DL PN
Advanced Studies in Motivation and Learning DS I PN
 A study of learning and the applications of national and international theory and research within learning contexts.

263.705 **30 credits** DS DL PN
Assessment for Learning and Teaching DS I PN
 Contemporary New Zealand and international assessment theory, practice and policy are examined and critiqued with application for educators in their learning context.

263.706 **30 credits** S1 DL PN
Adolescent Learning and Engagement S1 I PN
 An in-depth study of the developmental and learning needs of adolescent students and the implications for teaching, assessment and curriculum. Issues are critically examined, such as international and national trends in achievement for various groups of students, engaging students in learning, schooling options and transitions.

263.760 **30 credits** S1 I PN
Pedagogy 1
 An examination and application of effective and culturally responsive pedagogies in clinical and community settings.

263.761 **30 credits** S2 I PN
Pedagogy 2
 An extended examination and application of effective and culturally responsive pedagogies in clinical and community settings.

263.860 **30 credits** S1 I PN
Inquiry 1
 An evidence-informed inquiry that addresses existing or emerging challenges of teaching practice.

263.861 **30 credits** S2 I PN
Inquiry 2
 An extended evidence-informed inquiry that addresses existing or emerging challenges of practice especially with priority learners.

264

EDUCATION SUPPORT

264.101 **15 credits** S1 DL PN
How People Learn S1 I AL
 An examination of how people learn in formal and informal settings.

264.102 **15 credits** S2 DL PN
Classroom Management
 An examination of classroom management that addresses the management of diverse behaviours whilst creating a positive learning environment.

265

EARLY CHILDHOOD EDUCATION

265.105 **15 credits** S1 DL PN
Foundations of Language and Literacy
 An introduction to language for teachers of children from birth to eight years. This course focuses on early language that forms the foundations of literacy acquisition and upon the role of teachers in facilitating such acquisitions, with close reference to current curricula, policy and practices.

265.120 **15 credits** S1 DL PN
Principles of the Early Years Curriculum
 The principles and practices of Te Whaariki and the junior years of the New Zealand Curriculum Framework (essential learning areas, essential learning skills), including implementation through routines and programmes as well as the role of the adult in facilitating children's learning.

265.230 **15 credits** * * *
Integrated Curriculum: Language and Science
 Students will be expected to develop an understanding of the principles of integrating relevant curriculum documents in the learning areas of language and science. Students will gain knowledge, skills and understandings in use of teaching strategies, planning and resources to facilitate the growth of language, multi-literacies and science learning in the early years (birth to eight years of age).

265.289 **15 credits** S2 DL PN
Learning and Development and the Early Years Curriculum
 A study of the dynamic, socially constructed learning and development of infants, toddlers and young children (birth to eight years old). Implications for the early years curriculum and for working in partnership with family/whanau are considered.

265.293	15 credits	S2 DL PN
Studies in Infants and Toddlers		
Study of content knowledge and the development of clear philosophy which is supportive of the learning and development of children from conception to age two, with an emphasis on ecological influences.		
265.322	15 credits	S1 DL PN
Perspectives in Early Years Education		
A critical analysis of the development and theoretical basis of historical and contemporary early years education programmes, including early childhood, in New Zealand and overseas.		
265.330	15 credits	* * *
Integrating Early Childhood Curriculum: Numeracy and Literacy		
A paper exploring curriculum as an integrated process with a focus on numeracy and literacy		
265.340	15 credits	* * *
Advanced Curriculum: Arts in the Early Years		
Curriculum studies concerned with planning, teaching and assessing the arts in early childhood and junior primary settings. Strategies covering the implementation and management of the arts programmes will be covered and student teachers will develop personal skills in the arts disciplines.		
265.344	15 credits	SS DL PN
Issues in Early Childhood Education		
An analysis of contemporary policies and issues in early childhood services in New Zealand and overseas and how these policies and issues are influenced by political, cultural and social forces.		
265.374	15 credits	S1 DL PN
Leadership in Early Childhood		
An examination of issues in theory and practice in educational leadership in early childhood services in the Aotearoa/New Zealand context.		
265.470	15 credits	S1 DL PN
Learning and Teaching in Early Childhood Settings		
An examination of current theories of teaching and learning, which explores and applies the philosophy, pedagogy and practices of teaching in inclusive early education settings.		
265.471	15 credits	S1 DL PN
Learning and Development in Early Childhood Contexts		
Children's learning and development is examined from a range of research and practice perspectives with a focus on early childhood curriculum and on working in partnerships with families and whanau.		
265.472	15 credits	S1 DL PN
Advanced Studies of Infants and Toddlers		
Research and practice in early childhood education associated with the learning, development and care of infants and toddlers from conception to age two.		
265.473	15 credits	S1 DL PN
Integrating Early Childhood Curriculum: Numeracy and Literacy		
A paper exploring curriculum as an integrated process with a focus on numeracy and literacy		
265.474	15 credits	S2 DL PN
Studies in Early Childhood Assessment and Curriculum		
Study of the key principles and practices of early childhood curriculum and assessment for coherence and continuity in young children's learning.		
265.475	15 credits	S2 DL PN
The Arts in Early Childhood		
A study of the provision of arts education experiences for children in early childhood. The paper will enable students to critically examine theories relating to arts education in early childhood and to apply this knowledge in a range of early childhood settings.		
265.485	15 credits	S2 DL PN
Professional Inquiry and Practice Early Childhood Education		
Student teachers will develop and demonstrate their personal philosophy of teaching commensurate with a level of skills sufficient for them to assume the full responsibilities of a beginning teacher in Aotearoa/New Zealand early childhood centres. Critical reflection, curriculum theory and research will provide the basis for refining and improving teaching and curriculum practice.		
265.736	30 credits	S1 DL PN
Quality in Early Years Education		
A critical study of research and theory which has shaped beliefs about quality in education from infancy through to early school years. Students are assisted to consider different viewpoints on quality and different approaches to quality assurance and management. Opportunity is provided for students to explore issues and implications for policy and professional practice.		

265.737	30 credits	S2 DL PN
Young Children and Their Families		
This course provides a critical analysis of contemporary theory and research relating to young children and their families. The implications for working with young children and their families will be considered in relation to early education.		
265.738	30 credits	S2 DL PN
Children's Play and Learning in a Goal-Directed Teaching Practice		
This internationally co-taught paper examines the concepts of play and learning and the integration of these concepts with content knowledge in goal directed teaching practice with children from 0-8 years.		
265.740	30 credits	DS DL PN
Advanced Studies on Learning in the Early Years		
An advanced study of contemporary cognitive research on young children's learning (birth to eight years of age). Considers implications for educational practice in early childhood centres and junior primary classes, including teaching strategies, curriculum implementation and professional development.		
265.769	30 credits	DS DL PN
Professional Leadership in Early Childhood Education		
A critical examination of theories and issues in early childhood policy and leadership, with particular emphasis on the New Zealand/Aotearoa context.		

266

TECHNOLOGY EDUCATION

266.281	15 credits	* * *
Computers in Classrooms		
A study of classroom computer use in which teachers learn how the use of computers adds to the quality of student learning experiences. The course examines frameworks for considering educational computer use and investigates computer use across the curriculum.		
266.379	15 credits	* * *
Information Technology in the Curriculum		
A study of the evaluation and use of computer and related technologies to support teaching and learning and an investigation of the links between those technologies, the New Zealand Curriculum Framework and the teaching and learning process.		
266.391	15 credits	* * *
Understanding Technology for Technology Education		
An investigation of the nature of technology through contextualist histories of technological change; use of contemporary models for technology in the critical examination of public views and curriculum constructions of technology; implications for technology education.		
266.392	15 credits	* * *
Technology Education Theory and Practice		
An examination of the theoretical underpinnings of technology education, the nature of technological literacy, and research evidence for successful technology education practice.		
266.393	15 credits	* * *
Technology in the School Curriculum		
A critical examination of the learning, teaching and assessment in technology required through the New Zealand school technology curriculum.		

267

EDUCATION RESEARCH

267.390	15 credits	S1 DL PN
Educational Research Methods		
A study of the philosophical and ethical issues in research and the detailed analysis of a variety of research methods.		
267.599	30 credits	* * *
Research Investigation		
Approved Topic		
267.781	30 credits	DS B1 AL
Research Methods in Professional Practice		
An in-depth analysis of research methods and designs used in professional practice. Involves critical examination and evaluation of specific research designs.		
267.782	15 credits	S1 DL PN
Quantitative Research in Education		
A study of quantitative research methods in education focusing on basic group designs for research and evaluation, analytic methods for exploring relationships with both categorical and continuous measures, and statistical analysis procedures for group design data.		

267.783	15 credits	S1 DL PN
Qualitative Research in Education		S1 I PN SS DL PN
A study of qualitative research methods in education. Theoretical and practical issues of research are studied under three course themes: context for research, qualitative research designs, analysis and communication of qualitative research.		
267.790	30 credits	S1 DL PN
Indigenous Research Methodologies		
A study of Māori research frameworks, philosophies and processes and an examination of their contribution to the growing body of indigenous scholarship as relevant to educational settings. Research methodologies congruent with Māori cultural values are examined for their potential to advance indigenous development in Aotearoa New Zealand. The development of a research proposal will be an integral component of the paper.		
267.792	30 credits	DS DL PN
Research Exercise		
267.860	60 credits	DS DL PN DS I PN
Professional Inquiry		
An advanced analysis of a significant professional situation to which a proposed solution is applied and evaluated, based on a critique of educational theory and literature.		
267.870	45 credits	DS DL PN
Specialist Teaching Research Project		
This paper allows students to conduct and report research in an area of specialist teaching using academic research conventions.		
267.871	60 credits	DS DL PN DS I PN
Thesis 120 Credit Part 1		
An advanced preparation for research, including a critical review of research literature, methodological design, ethics application and a refined research proposal.		
267.872	60 credits	DS DL PN DS I PN
Thesis 120 Credit Part 2		
An advanced realisation of proposed research, subsequent analysis and scholarly report.		
267.875	45 credits	DS DL PN
Specialist Teaching Professional Inquiry		
An advanced analysis of a professional practice in an area of specialist teaching to inquire into the impact of that practice. Addresses the inquiry skills fundamental to quality culturally responsive professional thinking and action in an area of specialist teaching.		
267.880	90 credits	DS DL PN DS I PN
Thesis		
Paper enables students to conduct and report research using academic research conventions.		
267.881	45 credits	DS DL PN DS I PN
Thesis 90 Credit Part 1		
Paper enables students to conduct and report research using academic research conventions.		
267.882	45 credits	DS DL PN DS I PN
Thesis 90 Credit Part 2		
Paper enables students to conduct and report research using academic research conventions.		
267.891	120 credits	DS DL PN
Thesis		
A supervised and guided independent study resulting in a published work.		
267.894	120 credits	DS DL PN DS I PN
MPhil Thesis		
A supervised and guided independent study resulting in a published work.		
267.895	60 credits	S1 I PN S2 I PN
MPhil Thesis 120 Credit Part 1		
A supervised and guided independent study resulting in a published work.		
267.896	60 credits	S1 I PN S2 I PN
MPhil Thesis 120 Credit Part 2		
A supervised and guided independent study resulting in a published work.		
267.899	120 credits	DS DL PN DS I PN
Thesis		
An advanced scholarly application of theory and practice using academic research conventions.		
267.900	120 credits	DS I AL DS I PN
PhD Education		

267.911	30 credits	S1 B1 PN
Advanced Professional Education		
A critical analysis of the political, social, cultural, historical and philosophical perspectives of professionalism relating to education in Aotearoa/New Zealand. Particular attention will be focused on professionalism in action and professional lives.		
267.912	30 credits	S2 B1 PN
Advanced Studies in Education		
A critical examination of educational theory, policy and practice in educational settings with a particular emphasis on reflective professional practice.		
267.913	30 credits	S1 B1 PN
Advanced Research and Evaluation Methodology		
This paper prepares students to design, conduct and write a research thesis.		
267.929	30 credits	S2 B1 PN
Advanced Directed Study in Education		
This paper provides the vehicle for students to integrate the work in Parts I and II of the programme through the production and defence of a research proposal and any necessary pilot work in preparation for undertaking the thesis.		
267.930	120 credits	DS I AL DS I PN
Thesis Doctor of Education		
This component involves undertaking research based on the papers that precede it in the programme. In those papers students will develop the perspectives and strategies necessary to enable them within this component to pursue responses to research questions within the domain of professional education.		

268

MĀORI MEDIUM PRIMARY TEACHING

268.107	15 credits	S2 DL PN
Te Kawa o Te Kura I		
He timatanga ki te titiro ki te tū ngaiotanga o te kaiako, ki ngā akoranga taiao Māori, whakahaere ā-akomanga, te ako takitahi, ā-rōpū, ā-akomanga, ā-marautanga hoki e hāngai pū ana ki Te Aho Matua. An introduction to the professional role of the teacher with reference to Te Aho Matua and to Māori medium professional practices, classroom organisation, learning of individuals and groups, learning environments and key curriculum areas.		
268.110	15 credits	S1 DL PN
Te Hā		
He titiro ki te āhua o te tū i runga i te marae, me te ako i ngā tikanga me ōna reo. An introduction to the knowledge, language and customary practices pertaining to the elements of marae as a context for education.		
268.120	15 credits	S2 DL PN
Tikanga Pāngarau I		
Ka timata te ako i ngā whakamārama me ngā tukanga o te akoako pāngarau ki tā te Māori titiro, ki tā te Pākehā titiro, me tōna whakamahinga ki te reo Māori. An introduction to the processes of numeracy learning in te ao Māori and western contexts and its application to numeracy learning in te reo Māori.		
268.121	15 credits	S1 DL PN
Te Pū		
He timatanga kia mārama ki ngā tukanga o te ako i te pānui ki tā te Māori, ki tā tauiwī, me tōna whakamahinga ki Te Reo Māori. An introduction to the processes of literacy learning in Te Ao Māori and western contexts and their application to literacy learning in Te Reo Māori.		
268.130	15 credits	S1 DL PN
Te Irarua I		
He whakamātau i te orokohanga mai o te tipuranga mai o te tangata ki tōna ake ao ki tā te whānau, hapū, iwi titiro, ā, he aronga ā-wairua, ā-hinengaro, ā-tinana. An introduction to the self in relation to cosmological narratives, the life-span of human development and learning from Māori whānau, hapū, and iwi perspectives.		
268.131	30 credits	DS DL PN
Te Aro ā-Kapa		
He timatanga tēnei ki te wherawhera i ngā ariā me ngā āhuatanga ako, me te whakaako ki ngā akoranga ā tini e hangai pū ki ngā marautanga e whakaakohia ana i roto i ngā kura tuatahi tae atu hoki ki ngā kura taiao Māori. Mā te ako i ngā āhuatanga e pā ana ki ngā Pou Toi e whai kiko e whai tikanga, e whakatinana ai ēnei āhuatanga katoa. An introduction to the theory and practice of learning and teaching through a multidisciplinary approach to subject knowledge relevant to primary schools and Māori Medium sites. Subject knowledge is explored through the practical application of Māori performing and visual arts.		
268.211	15 credits	S1 DL PN
Te Tiringa		
He whakawhānui i te mātauranga i te reo me ngā tikanga o te marae hei ako, hei whakaako i ēnei mātauranga. He āta titiro kia mārama te ahurei o te tamaiti me tōna whānau i ngā taiao ako. Further development of the knowledge, language and		

customary practices pertaining to the marae as a particular context for educational exchange and knowledge transfer. There is an emphasis on the uniqueness of the individual child and their whānau within diverse learning settings.

268.217 **30 credits** DS DL PN

Te Kawa o Te Kura II

Me whakawhanake te ākongā i ngā pukenga whakahaere, ngā rautaki whakaako, ngā mahinga aromatawai ki tā Te Aho Matua taura. Using Te Aho Matua as a framework, students develop management and pedagogical strategies and assessment practices.

268.220 **15 credits** S2 DL PN

Tikanga Pāngarau II

Ka whakawhanakehia ētahi mātauranga pāngarau Motuhake me ngā ariā pāngarau hei kawē i te pāngarau i roto i te ako reo Māori. Development of specific mathematical concepts and pedagogical knowledge for teaching of mathematics in the Māori medium.

268.221 **15 credits** S2 DL PN

Te More

He whakawhanake i ōna māramatanga ki ngā kawenga mō te reorua, te reo-ā-tini ki tā te ao Māori rangahau mō te whakaako i te reo ā-pānui i roto i te Reo Rangatira. Development of an understanding of the processes for bi-lingual, multi-lingual literacy learning in Te Ao Māori and its research based application to literacy teaching in Te Reo Māori.

268.230 **15 credits** S1 DL PN

Te Irarua II

Kia whānui atu tōna mōhio ki tōna tipuranga, ki tō ētahi atu, me te aro haehae i ngā hononga ki tā te Māori titiro. The study of the self and others, with a focus on an analysis of human relationships, interactions, knowledge development and learning within evolving Māori historical and social, cultural and spiritual contexts. 268.23115 credits S2 DL PN

Te Aro ā-Wai

He toro i ngā kaupapa tūtioka, mātauranga ā-marau, ngā whakaakoranga e pā ana ki tā te taiao Māori o Aotearoa. Ka aro nui ki ngā tikanga tawhito me ngā tikanga hou e hāngai pū ana ki ngā hangarau me ōna whakamahinga, ki tā te tirohanga Māori. Interdisciplinary subject and curriculum knowledge and the relevant pedagogy as applied to Māori medium education in Aotearoa New Zealand are explored. An emphasis on customary and contemporary Māori practices and their associated technologies.

268.310 **15 credits** S1 DL PN

Te Puanga

He āta mātakitaki, he tauriterite i ngā kawa me ngā tikanga o tauwiwi, ki ērā o ngā iwi taketake hei aromatawai i ngā pātanga o tā tauwiwi aro ki te mātauranga me ngā pūnaha mātauranga. An examination and comparison of western perspectives of knowledge with Māori and indigenous world views in order to assess the implications of contemporary western perspectives on education and educational systems.

268.317 **30 credits** DS DL PN

Te Kawa o Te Kura III

He āta arohaehae, he toro i ngā mahinga-rangahau, i ngā whakaakoranga-huritao, i ngā mahinga whakahaere o ngā kura iwi-maha, o ngā kura Māori mō tētahi roa ki tā Te Aho Matua taura. An in-depth analysis and engagement in research-informed, reflective teaching and management practices, in multicultural and Māori medium classrooms for a sustained period using a Te Aho Matua framework.

268.320 **15 credits** S2 DL PN

Tikanga Pāngarau III

Ka āta rangahau i te mātauranga pāngarau me ngā ariā pāngarau me te āta aro ki te tika o te whakaako i te pāngarau i ngā ako Māori. Advanced study of mathematical concepts and pedagogical content knowledge for primary teachers with a focus on effective pedagogical practices in Māori medium settings.

268.321 **15 credits** S2 DL PN

Te Weu

He āta rangahau i ngā whakaakoranga, i ngā aromatawai, i ngā whakahaere rerekē noa e hāngai ana ki te pai o te ako i te reo pānui ki ngā ākongā rerenga kē i tētahi taiao Māori. An in-depth study of differentiated instruction, assessment and management as it applies to effective practice of teaching literacy skills for diverse learners, within a Māori context.

268.330 **15 credits** S1 DL PN

Te Irarua III

Kia whānui atu tōna mōhio ki tōna tipuranga, ki tā ngā akomanga reorua, reo rūmaki, me te aro haehae i ngā hononga o tā te kaupapa Māori titiro ki te whānau, ki te hapū, ki te iwi i tēnei ao hurihuri. An in-depth study of the self within an array of Māori medium and mainstream educational contexts, with a focus on a kaupapa Māori theoretical analysis of whānau, hapū, iwi relationships, interactions, and learning within contemporary social, cultural and spiritual contexts.

268.331 **15 credits**

Te Aro ā-Tū, ā-Rongo

He āta aro i ētahi akoranga tawhito, akoranga hou a te Māori hei tūpapa i ngā tūtioka ā-marau. Ka āta whakawhanakehia ki ngā marau me ōna mātauranga, ka whātoro hoki i ngā ariā o tā te taiao ako Māori kia āhei te whakahaere i ngā whakaakoranga tūtioka ā-marau. An in-depth study of customary and contemporary Māori practices using an interdisciplinary approach. Further development of subject and curriculum knowledge and the relevant pedagogy as applied to Māori medium education in Aotearoa New Zealand is explored to facilitate inclusive interdisciplinary teaching.

268.417 **30 credits** DS DL PN

Te Kawa o Te Kura IV

He whai wāhi ki te rōnaki me te rangahau ā akomanga i ngā whakaakoranga i roto i te taiao Māori, ka whakamahere, ka whakahaere, ka pūrongo i tētahi kaupapa rangahau o ōna tirohanga ā-rōpū. An individual, research-informed supervised classroom enquiry, in a Māori Medium setting, where students plan, undertake and report on an investigation with a group of children.

268.421 **15 credits** S2 DL PN

Te Aka

Ka āta arohaehae i ngā ariā, i ngā rangahau, i ngā tikanga ako o te pānui e aro nui ana ki te hanganga me te kawenga o te pānui mō ngā momo katoa. A critical analysis of theories, research and pedagogies of literacy with a particular focus on Māori literacy programme design and implementation for all learners.

268.430 **30 credits** DS DL PN

Te Kura Nui

He rangahau motuhake tēnei e aro nui ana ki ngā tikanga ako, tikanga whakaako o tā te Māori rānei, o tā tētahi iwi taketake rānei i roto i tētahi taiao ako whai tautoko. An in-depth self selected study of Māori or indigenous pedagogical theory and practice undertaken within a supervised field based inquiry.

268.431 **15 credits** S2 DL PN

Te Aro ā-Tahi

He tātari, he arotakenga whakaritenga ā akomanga, whakanaungatanga ngaiotanga ki tā te kura, ki tā te hāpori, ki tā ngā kaupapa here. An analysis and evaluation of a whole-class programme and professional relationships in the wider context of school, community and policy environments.

269

MĀORI EDUCATION

269.136 **15 credits** * * *

Te Unga Whakaara - Introductory Māori Language

An introductory study of Te Reo Māori with the focus on developing confidence and competence in listening and speaking for use in a variety of classroom and Early Childhood settings.

269.232 **15 credits** * * *

Multicultural Education

Education in multicultural societies. An examination of the significance of language and culture to learning and teaching through the study of policy, practices and processes, with special references to the New Zealand situation.

269.234 **15 credits** * * *

Bilingual Education

An examination of historical, social and political issues linked to bilingualism focusing on language shift, maintenance and revitalisation in educational contexts as they impact on migrant and indigenous groups with a particular focus on Aotearoa/New Zealand.

269.235 **15 credits** * * *

He Kōrero Paki

He Whakamātau ki ngā kōrero ā waha, ā tuhi. He wānanga i ngā mōteatea ā kupu nei kia hangaia e te taura ko tōnā ake tuhinga, kōrero motuhake. To analyse the myths, legends, contemporary writings, songs and poetry of Māori as they relate to classroom delivery.

269.274 **15 credits** S2 DL PN

The Treaty of Waitangi: Implications for Education

Historical background, the texts of the Treaty of Waitangi and modern debate will be examined. Participants will analyse and evaluate, from a Treaty perspective, the New Zealand education system and in particular their own educational institution.

269.276 **15 credits** * * *

Understanding Cultural Difference

Students will develop the skills and knowledge appropriate to understanding their own culture and to becoming aware of key factors and issues involved when teaching students from other cultures in a New Zealand learning setting.

269.332 **15 credits** S1 DL PN

Māori Issues in Education

A study of relationships between cultural values and education and of the extent of Māori educational needs and aspirations.

269.334 **15 credits** * * *

Nga Whakataunga

Te Mana Motuhake o Te Aho Matua me ōna kaupapa here hei taki i te Anga Marautanga ki roto i te ara matua o ngā Kura Kaupapa me ngā akomanga rautaki. An examination of policies relating to school and classroom organisation and management as these affect Māori.

269.371 **15 credits** * * *

He Akonga Reo Rua i Aotearoa/Bilingual Education for Aotearoa

A study of the historical background and theory of bilingual education in Aotearoa and its implications for developing and evaluating bilingual education programmes.

269.372 **15 credits** S1 DL PN

Understanding Migrant Cultures in Aotearoa/New Zealand

A study of immigrants and immigration in Aotearoa/New Zealand with a focus on developing effective cross-cultural teaching skills.

269.373 **15 credits** S2 DL PN

Ethnic Relations and Education

An examination of ideas about 'race' and 'ethnicity' and their influence on education policies and practice.

269.711 **30 credits** S2 DL PN

Policy and Development in Māori Education

The paper provides a critical analysis of policies for Māori education and of selected education policies which impact on Māori education. The role of the state and of school, urban and iwi communities of influence in relation to particular perceptions of Māori, and therefore of appropriate educational policy and development and practice will be explored.

269.732 **30 credits** * * *

Cultural Differences and Education

An examination of the sources and consequences of cultural differences and their interaction with educational practice.

269.733 **30 credits** S2 DL PN

Mana Motuhake: Contemporary Issues in Māori & Indigenous Education

An analysis of power, politics and resistance that underpin a range of contemporary and topical social issues which impact on Māori and/or indigenous education. A critical examination of the role of advocacy, activism and protest in advancing Māori and indigenous rights and aspirations in the context of education.

269.734 **30 credits** S1 DL PN

Mana Whanau: Whanau Engagement in Education

A critical examination of the role of whanau participation in education and the ways in which educators, educational institutions and organisations are able to engage with their Māori community to ensure successful social, cultural and educational outcomes for their Māori students within the paradigm of whanau ora.

269.735 **30 credits** S2 DL PN

Mana Kura: Leadership in Māori Education

A critical examination of traditional and contemporary forms of Māori professional, personal and cultural leadership and the role of iwi, community and tribal organisations in educational governance.

269.736 **30 credits** S1 DL PN

Mana Matauranga: Indigeneity, Innovation & Information

A critical examination of the role of information in indigenous societies and the impact of new technologies, social media, and the use of e-learning in indigenous education contexts.

mo ngā akonga Māori katoa. Drawing from Critical theory and Kaupapa Māori as analytical tools, and the analysis of various programmes, resources and research in schools, this paper explores selected aspects of Māori education. It engages with the development of students' teaching, learning and understanding of Māori education while also enabling them to participate proactively as reflective thinkers and practitioners for all Māori learners.

270.201 **15 credits** * * *

Te Noho Marae/Marae Learning for Teachers

Ko te kaupapa o tēnei pepa he hiki i ngā mahi o te marae mai i mua ki muri. Te whanake pukenga hoki e pā ana ki ngā wheako mo te hunga hāpori e whakaekē marae ana.

270.202 **15 credits** DS DL PN

The Arts in the Early Years

An investigation of the ways of providing for children in the Early Years in the early childhood and junior primary settings.

270.203 **15 credits** S1 DL PN

Children's Literature

An exploration of important patterns, themes and developments in different kinds of literature for children, including novels, poetry, traditional literature and picture books. Skills in presenting literature to children are also covered.

270.204 **15 credits** S2 DL PN

Developing Language and Literacy

This course focuses on language and literacy at the early Primary School level, building upon literacy learning from birth to five. It focuses upon the skills and strategies used by effective communicators, approaches to fostering literacy in children and the role of the teacher in facilitating such acquisition, with close reference to current curricula, policy and practices.

270.206 **15 credits** * * *

Childhood and Maturity in Literature

Studies on the topic of growing up, in its literary context. The course is exploratory and eclectic, with particular relevance to those who work with young people as well as the general reader. Course activity includes personal (creative) writing as well as work with critical and personal response modes.

270.208 **15 credits** * * *

Spaceship Earth and Beyond

This paper focuses on pedagogical content knowledge to teach astronomy and earth science in schools. An exploration of Earth's unique position in space integrates introductory astronomy and earth science concepts.

270.209 **15 credits** S2 DL PN

Mathematics in the Early Years II

A study of the principles and practices of learning Mathematics including specialised content knowledge and pedagogical knowledge for the effective teaching of mathematics and statistics in early years settings.

270.213 **15 credits** * * *

Musicianship for Teachers

Practical studies in music performing, music creating and music listening designed to extend students' skills and knowledge as appropriate for the classroom music teacher.

270.221 **15 credits** * * *

New Zealand Bush and Landforms

Understanding the unique aspects of New Zealand's flora is linked to an understanding of the geological processes that have shaped the land. This paper examines the forest remnants of today and traces their ancestry. A field investigation is a significant part of this course.

270.223 **15 credits** S1 I PN

Visual Arts for Teachers: Creating and Presenting

An in-depth practical visual arts paper for teachers that develops the aesthetic, technical and research skills necessary for the development of personal works in selected two- or three-dimensional media, or combinations of two- and three-dimensional media.

270.224 **15 credits** * * *

Basic Social Processes

A study for student teachers from varied educational settings that investigates the social processes of interaction, control and change as exemplified by selected studies of small groups, communities and societies from the global community.

270.225 **15 credits** * * *

Information and Communication Technology for Teachers

A study of the theory and practice of the following areas of technology education: information and communication technology and electronics and control technology. Students will gain knowledge about and capability in these two technological areas.

270.226 **15 credits** * * *

Studies in Mathematics for Teachers II

A study of selected topics in mathematics relevant to the mathematics curriculum.

270

EARLY YEARS TEACHING

270.104 **15 credits** S1 DL PN

Integrated Curriculum: Health and Physical Education

Students will develop an understanding of integrating health and wellbeing and physical education from relevant curriculum documents for early years education. They will gain content knowledge in health and physical education and the skills to plan and implement effective programmes in health, wellbeing and physical education in the early years curriculum.

270.200 **15 credits** S1 DL PN

He Huarahi Ako: Māori Education for Teachers

Ma ngā ariā arotake me te kaupapa Māori e āta tātari i ngā tini hōtaka, i ngā rawa me te rangahau anō hoki i roto i ngā kura, ka tukuratia wetahi āhuatanga o Te Mātauranga Māori. Ka honoa tēnei ki te whakawhanake i te akoranga tu pouako kia mārama ai he mea pewhea te whakaurutau atu i o rātou whakaaro hai painga

270.228	15 credits	S1 DL PN
Studies in Infants and Toddlers		
Study of content knowledge and the development of clear philosophy which is supportive of the learning and development of children from conception to age two, with an emphasis on ecological influences.		
270.237	15 credits	* * *
Materials and Construction Technology for Teachers		
A study of materials technology, design principles and processing techniques as they relate to technology education. Student teachers will investigate and use graphic techniques, control technologies, textiles, electronics, plastics, soft and hard materials through technology activities appropriate to educational settings.		
270.238	15 credits	* * *
He Kōrero Paki		
He whakamātau ki ngā kōrero a waha, a tuhi. He wānanga i ngā mōteatea a kupu nei kia hangaia e te tauria ko tōnā ake tuhinga, kōrero motuhake.		
270.259	15 credits	DS DL PN
Professional Inquiry and Practice Early Years II		
Within relevant educational contexts, students will be expected to examine and implement practices that contribute to fulfilling the role of the teacher. Student teachers will observe, plan, implement and evaluate programmes for individuals and groups of children in accordance with appropriate guidelines.		
270.286	15 credits	S1 DL PN
Learning and Development and the Early Years Curriculum		
A study of the dynamic, socially constructed learning and development of infants, toddlers and young children (birth to eight years old). Implications for the early years curriculum and for working in partnership with family/whanau are considered.		
270.288	15 credits	* * *
Integrated Curriculum: Social Sciences and Technology		
Student teachers will be expected to develop an understanding of integrated curriculum principles and learn about knowledge, skills and dispositions in lesson planning, strategies and resources for teaching social studies and technology in the early years curriculum (birth to eight years of age).		
270.289	15 credits	S2 DL PN
Integrated Curriculum: Language and Science		
Students will be expected to develop an understanding of the principles of integrating relevant curriculum documents in the learning areas of language and science. Students will gain knowledge, skills and understandings in use of teaching strategies, planning and resources to facilitate the growth of language, multi-literacies and science learning in the early years (birth to eight years of age).		
270.304	15 credits	S2 DL PN
Advanced Curriculum: Arts in the Early Years		
Curriculum studies concerned with planning, teaching and assessing the arts in early childhood and junior primary settings. Strategies covering the implementation and management of the arts programmes will be covered and student teachers will develop personal skills in the arts disciplines.		
270.322	15 credits	S2 DL PN
Perspectives in Early Years Education		
A critical analysis of the development and theoretical basis of historical and contemporary early years education programmes, including early childhood, in New Zealand and overseas.		
270.325	15 credits	S1 DL PN
Inclusive Education		
Principles and practices associated with the education of learners with diverse abilities and needs will be covered. Teacher competencies that will cater for a variety of learners educational needs in inclusive early childhood and school settings will be developed.		
270.341	15 credits	DS DL PN
Early Years Assessment and Programming		
Principles and practices of early years assessment and evaluation, including planning for an integrated curriculum (birth to eight years old), managing a learning environment and planning for transitions across educational environments and contexts.		
270.359	15 credits	DS DL PN
Professional Inquiry and Practice Early Years III		
This course develops students who will be informed, reflective practitioners capable of critical inquiry into the social, political and cultural contexts of education. Emphasis will be placed on understanding the ethical and social implications of the teaching and learning process and acquiring knowledge of the politics of educational change with specific reference to Early Years teaching.		

271

SPEECH AND LANGUAGE THERAPY

271.150	15 credits	S1 I AL
Introduction to Communication Disorders		
An overview of the biological, psychological and social bases of human communication with a focus on the nature of deviations from, or disruptions to, normal communication development relevant to remediation. Basic principles of prevention diagnosis, and intervention will be addressed.		
271.151	15 credits	S1 I AL
Anatomy and Physiology of Speech and Hearing		
This course is an introduction to the anatomy and physiology of the speech and hearing systems in humans. The focus will be on understanding normal anatomy and physiology appropriate to the practice of speech language therapy. Bones, muscles, tissues and nerves will be studied as the building blocks for the complex systems that contribute to the production of speech and hearing.		
271.152	15 credits	S1 B1 AL
Speech-Language Therapy and the Treaty of Waitangi		
This paper examines the implications of the Treaty of Waitangi with respect to the provision of Speech-Language Therapy in Aotearoa New Zealand, with special focus upon obligations for culturally appropriate professional practices in service delivery policies, assessment, diagnostic procedures, therapy interventions and professional relationships with persons and their whanau/hapu/iwi.		
271.154	15 credits	S2 I AL
Speech and Language Development		
This paper examines typical communication development from birth to adolescence. The major communicative milestones of speech, language, and pragmatic skills will be studied with an emphasis on New Zealand based data where possible. Cultural variations in communication will also be explored. Prominent language acquisition theories (including behavioural, psycholinguistic and sociolinguistic) will be critiqued.		
271.253	15 credits	S1 I AL
Child Language Disorders I		
An examination of language disorders in infancy and childhood. It covers characteristics of child language disorders, including related developmental and etiological factors as well as assessment and treatment methodologies appropriate for these age-groups.		
271.254	15 credits	S1 I AL
Articulation and Phonological Disorders in Children		
This paper focuses on an examination of articulation and phonological disorders that occur during childhood and are developmental in nature. Characteristics of articulation and phonological disorders, including related developmental and etiological factors, assessment and treatment methodologies, and relevant research, will be addressed.		
271.255	15 credits	DS I AL
Assessment Methods for Speech and Language Disorders		
This paper develops competencies in the selection, use and interpretation of a wide range of speech and language assessment materials designed to identify and describe disordered speech and language performance in children and adults from diverse etiological, cultural and ethnic groups.		
271.256	15 credits	DS I AL
Field Work and Clinical Skills I		
This paper addresses issues related to fieldwork and clinical practice, including data collection for workplace and clinical/fieldwork purposes. Students undertake structured and supervised treatment of a variety of clients with different speech and language performance in children and adults from diverse etiological, cultural and ethnic groups.		
271.257	15 credits	S2 I AL
Child Language Disorders II		
This paper focuses on the assessment and treatment of language disorders that occur in childhood and adolescence. Current best practices in assessment and treatment of children and adolescents with language disorders will be emphasized.		
271.258	15 credits	S2 I AL
Neurogenic Communication Disorders I		
This paper examines acquired aphasia and related disorders in children and adults. The paper will provide a theoretical overview of neurologically-based language breakdown and its management.		
271.392	15 credits	S2 I AL
Technology in Communication Disorders		
This paper examines: (a) use of technology in the clinical management of communication disorders, and (b) alternative augmentative communication systems.		

		Sem	Mode	Loc
271.393	15 credits	S1	I	AL
Neurogenic Communication Disorders II				
The paper examines neurogenic language impairments at an advanced level and will focus on impairments such as right hemisphere disorders (RHD), traumatic brain injury (TBI) and dementia. A practical approach to the principles and practices in the assessment and management of these disorders will be emphasised.				
271.394	15 credits	S1	I	AL
Motor Speech Disorders				
This paper examines motor speech disorders, such as dysarthria and apraxia, that result from cortical injury. Clinical implications of motor speech disorders subsequent to normal development will be addressed.				
271.395	15 credits	S2	I	AL
Fluency Disorders				
This paper examines fluency disorders that occur during childhood into adulthood. Characteristics of fluency disorders, including related developmental and etiological factors, assessment and treatment methodologies, and relevant research, will be addressed.				
271.396	15 credits	DS	I	AL
Field Work and Clinical Skills II				
Students will consider advanced issues related to their fieldwork or clinical practice, including data collection for workplace and clinical/fieldwork research purposes, with particular attention to single case research, and bi-cultural and multicultural case management.				
271.397	15 credits	S1	I	AL
Adult Dysphagia				
Study of adult dysphagia with particular emphasis on anatomy, physiology, and neural control of normal swallowing. Clinical assessment procedures and instrumental tests will be learnt, and a variety of management methods will be studied.				
271.398	15 credits	S2	I	AL
Research Methods for Speech and Language Therapy				
The study and application in clinical settings of experimental, correlational and single-case research designs, relevant to current theory, research and practice, in speech and language therapy.				
271.486	15 credits	S2	I	AL
Speech and Language Therapy Practice and Diverse Clinical Populations				
An advanced examination of speech and language therapy clients with diverse communication disorders as associated with, for example, cleft palate, down syndrome or autism spectrum disorders. Interdisciplinary learning and whanau/family-centred practice associated with these disorders is also examined.				
271.487	15 credits	S1	I	AL
Paediatric Dysphagia				
This paper covers the neuro-anatomical and physiological principles of swallowing from birth through adolescence and related disorders.				
271.488	15 credits	S1	B1	AL
Aural Rehabilitation, Assessment and Intervention				
This paper examines aural rehabilitation for children and adults with hearing disorders. Emphasis is given to auditory system function and disorders, audiologic assessment procedures and assessment of communication performance. Devices and technologies for individuals with hearing loss will be evaluated.				
271.489	15 credits	S2	I	AL
Voice Disorders, Assessment and Treatment				
The focus of this paper is the assessment and treatment of voice disorders in adults and children, with reference to the normal production of voice.				
271.490	15 credits	DS	I	AL
Advanced Topics in Speech and Language Therapy				
This paper addresses current topics in normal and disordered aspects of communication, including theoretical and clinical research related to speech and language disorders and their treatment. Study includes systematic and analytical consideration of theoretical, bi-cultural and cultural issues.				
271.496	15 credits	S1	I	AL
Advanced Clinical Paper I				
The development of skills of professional communication, professional conduct, observation, data management and professional writing through participation in case management and report writing.				
271.498	15 credits	S2	I	AL
Advanced Clinical Paper II				
This paper addresses aspects of caseload management, communication and counselling skills involved in working with adult clients and caregivers. Students will be responsible for assessment, treatment and management of children and adults with a variety of communication disorders.				

		Sem	Mode	Loc
271.710	30 credits	DS	DL	AL
Evidenced-Based Practice in Speech and Language Therapy				
Advanced study of contemporary evidence-based practice in speech and language therapy. The implications of evidence-based practice in speech language therapy clinical settings are explored.				
271.711	30 credits	DS	DL	AL
Critical and Current Issues in Speech and Language Therapy				
An in-depth evaluation and analysis of critical and current trends arising in, and impacting on the work of speech language therapy clinicians and researchers.				
271.712	30 credits	DS	DL	AL
Theoretical Issues in Speech and Language Therapy				
Critical examination of theories and models and their impact on research and clinical practice in speech and language therapy.				
271.808	60 credits	S1	I	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
271.809	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
271.810	120 credits	DS	DL	AL
Thesis				
A supervised and guided independent study resulting in a published work.				

272

LINGUISTICS

272.701	30 credits	S1	I	PN
Language Awareness and Language Issues				
A study of the main areas of linguistics: phonology, grammar, semantics. Applications of linguistic theory to second language teaching.				
272.702	30 credits	DS	DL	PN
The Second Language Learning Process				
An examination of factors involved in second language learning.				
272.703	30 credits	DS	DL	PN
The Methodology of Second Language Teaching				
A critical survey of different approaches and methods used to develop language skills.				
272.704	30 credits	S1	I	PN
Curriculum and Materials Design				
A study of the principles and practice of curriculum and materials design.				
272.799	30 credits	DS	DL	PN
Research Report (30)				
Preparation of a research project on a particular aspect of language learning.				
272.800	120 credits	DS	DL	PN
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				

SECOND LANGUAGE TEACHING

272.801	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
272.802	60 credits	S1	I	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

LINGUISTICS

272.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
272.817	60 credits	S1	I	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				

SECOND LANGUAGE TEACHING

272.873	60 credits	S1	DL	PN
Research Report Second Language Teaching (60)				
DS DL PN				
S2 DL PN				

	Sem	Credits	Note	Mode	Loc
272.881		45 credits	S1	DL	PN
Thesis 90 Credit Part 1			DS	DL	PN
A supervised and guided independent study resulting in a published work.			S2	DL	PN
272.882		45 credits	S2	DL	PN
Thesis 90 Credit Part 2					
A supervised and guided independent study resulting in a published work.					
272.883		90 credits	DS	DL	PN
Thesis					
A supervised and guided independent study resulting in a published work.					

273

ADULT EDUCATION

273.100		0 credits	DS	B1	PN
Adult or Tertiary Teaching Experience (200 hours)					
Before the Certificate in Adult Education can be awarded written evidence from employers, clients or other approved sources, of completing at least 200 hours of satisfactory adult or tertiary teaching experience is required.					
273.180		15 credits	SS	DL	PN
Introduction to Adult Learning and Teaching					
Introduces concepts of adult learning and teaching including planning, teaching techniques and assessment. On completion, participants should be able to work effectively as beginning teachers of adults, planning, resourcing, delivering and assessing the learning of students in their discipline area. Participants will be encouraged to develop as reflective practitioners.					
273.181		15 credits	S2	DL	PN
Adult Teaching Strategies					
Enables participants to extend the range of teaching/learning techniques they use, and to design learning experiences appropriate to their particular context. An exploratory approach will enable participants to consider teaching and learning techniques, planning issues and challenges that arise in their teaching context and to reflect on their development as teachers.					
273.182		15 credits	S1	DL	PN
Training Skills for the Workplace					
A practical introduction to training needs analysis and workplace training skills. On completion participants should be able to establish organisational training needs and priorities and prepare a training plan; analyse the learning and developmental needs of individual adults and groups; and plan, conduct and review one-to-one workplace instruction and coaching sessions.					
273.183		15 credits	S1	DL	PN
Adult Education Practicum			S2	DL	PN
A period of mentored teaching or other relevant adult education practice is used to enable participants to demonstrate the integration of skills and knowledge from other papers in Adult Education and their competence as teachers of adults. Observation of other teachers' practice is also included. Participants are encouraged to reflect on ways in which they are relating theory and practice in their own learning environment.					
273.186		15 credits	S1	DL	PN
Course Planning and Assessment for Adult Learning					
Introduces principles of course development and assessment for use in adult learning contexts. On completion participants should be able to plan, develop, implement and evaluate a course for adult learners; discuss concepts and purposes of assessment in post-compulsory education and training; develop and use appropriate assessment tools; and discuss quality assurance processes.					
273.189		15 credits	*	*	*
Interpersonal Skills in Adult Learning					
Introduces interpersonal, communication and leadership skills for adult educators. On completion participants should be able to communicate effectively, analyse various ways that groups work, use group leadership skills, and discuss and apply culturally appropriate group processes.					
273.200		0 credits	DS	B1	PN
Adult or Tertiary Teaching Experience (400 hours)					
Before the Diploma in Adult Education or Bachelor of Education (Adult Education) can be awarded written evidence from employers, clients or other approved sources, of completing at least 400 hours of satisfactory adult or tertiary					

teaching experience is required. Hours that have already been completed as part of a prior Certificate or Diploma in Adult Education do not need to be repeated in the course of a candidate's DipAdultEd or BEd(AdultEd) course.

273.206		15 credits	S1	DL	PN
Adult Learning					
Ideas about adult learning and development and their implications for teaching adults are explored. On completion participants should be able to discuss ideas about adult development, learning and teaching and apply these ideas when they design and evaluate learning experiences for adults.					
273.270		15 credits	S1	DL	PN
Teaching Adults					
The development and demonstration of effective teaching skills and knowledge to facilitate learning in adults.					
273.273		15 credits	S1	DL	PN
Equity Issues in Adult Learning and Teaching					
Develops awareness of issues relating to equity in adult learning and ways of promoting an inclusive learning environment for learners in a bicultural and multicultural society. On completion, participants should be able to reflect critically on their own values and assumptions; analyse equity requirements in their own adult teaching context; and develop supportive, inclusive teaching practices and resources for adult learners.					
273.274		15 credits	S2	DL	PN
Curriculum Development for Adult Learning					
Explores curriculum development principles and practices in post-compulsory education and training contexts. On completion, participants should be able to discuss trends and influences in PCET contexts, compare advantages and disadvantages of selected curriculum approaches, participate in course or programme development and evaluation, and discuss quality assurance processes and issues.					
273.276		15 credits	S2	DL	PN
Assessment in Adult Learning Contexts					
Explores current trends in assessment and develops understanding of principles of assessment and evaluation of learning in adult contexts. On completion, participants should be able to discuss developments in PCET assessment theory and practice; analyse learning outcomes and design effective assessment processes; and give appropriate feedback to learners.					
273.281		15 credits	*	*	*
New Ideas in Adult Teaching					
Challenges participants to be innovative and creative in their teaching practice while recognising the demands of their own subject area and student group. On completion participants should be able to identify teaching/learning challenges in their own context, and develop, implement and evaluate a variety of teaching techniques that are new to them.					
273.282		15 credits	SS	DL	PN
Teaching Young Adults					
Explores a range of teaching and learning strategies for educators working with young adults, recognising their need for learning experiences and situations that may vary from those of other adult groups. On completion of the course, participants should be able to identify characteristics of young adult learners and to design and evaluate appropriate learning experiences for them.					
273.293		15 credits	*	*	*
Negotiated Adult Learning Project I					
An opportunity for candidates to negotiate a personal learning project relevant to adult learning and teaching. Learning outcomes, content, learning and assessment processes and assessment criteria are negotiated with the project supervisor. On completion the candidate should be able to meet all the learning outcomes negotiated in the learning agreement.					
273.300		0 credits	DS	B1	PN
Post-compulsory Teaching Experience					
Before the Graduate Diploma in Adult Learning and Teaching can be awarded written evidence from employers, clients or other approved sources, of at least 200 hours of satisfactory post compulsory teaching experience is required.					
273.370		15 credits	S2	DL	PN
Professional Development and Practice in Adult Education					
The application of contemporary approaches to professional development and practice in adult education.					
273.371		15 credits	S2	DL	PN
Advanced Studies in Adult Learning					
Selected ideas about adult learning, adult learning processes and learner differences are extended and evaluated. The emphasis is on critique of current ideas about adult learning and participants' evaluation of the relevance and implications of these for their own practice.					
273.372		15 credits	S1	DL	PN
Advanced Studies in Adult Teaching					
Trends and developments in curriculum, teaching and assessment in post-compulsory education and training are examined. Participants will discuss and					

critique recent themes and issues in PCET; reflect critically on the impact of these on adult teaching practice; explore and evaluate innovations in their own contexts; and discuss ways in which the working lives of adult educators develop.

273.373 **15 credits** * * *

Adult Learning and Teaching Project

The study of an approved topic in the field of adult education through an independent learning contract.

273.376 **15 credits** S1 DL PN

Culture, Society and Adult Education

All adult education takes place in contexts, including social, economic, political, intellectual and spiritual. Participants will explore and analyse beliefs, ideas, practices, influences and power relationships in selected adult learning contexts; compare some of the beliefs, ideas and practices with their own; and examine people and organisations challenging the status quo.

273.395 **15 credits** S2 DL PN

Policy and Issues in Adult Education

A study of current policy and issues in adult education including community, vocational and tertiary sectors, particularly in the New Zealand context.

273.721 **30 credits** S2 DL PN

Knowledge and Power in Tertiary Education

This paper involves critical reflection on the relationship between knowledge and power within the teaching/learning process. Concepts and theories within the sociology of knowledge are applied to tertiary education contexts.

273.722 **30 credits** DS DL PN

Adult Learning: Myths and Realities

This paper examines in depth the development of thinking about adult learning and critically evaluates adult learning theories and their relevance to current New Zealand contexts and participants' own teaching practice.

273.723 **30 credits** DS DL PN

Cultures and Learning: Diversity in Tertiary Education

This paper critically examines how people are expected to learn in selected cultural contexts explores participants' own attitudes to cultural diversity and enables construction of practical strategies to provide effective learning experiences in diverse cultural contexts.

273.724 **30 credits** S1 DL PN

The Expert Teacher of Adults: Principles and Practice

This paper critically examines concepts such as expertise, quality teaching, the student experience and student outcomes in adult teaching. It considers the impact of new technologies on tertiary teaching and training; and evaluates the implications of research for the participant's own practice in diverse cultural contexts.

273.725 **30 credits** * * *

Leadership and Communication in Tertiary Education

This paper critically examines the concepts of leadership and communication in tertiary education contexts, and develops a practical insight into the uses and misuses of those concepts and their related practices in specific teaching/learning contexts.

273.784 **30 credits** DS DL PN

Learning and Teaching in Tertiary Education

This paper introduces participants to and extends their perspectives on theories and practices of tertiary teaching, including theories of learning relevant to learners in tertiary contexts and their diverse needs as learners. Participants will apply their learning in their own practice.

273.785 **30 credits** * * *

Planning for Tertiary Learning and Teaching

This paper offers an in-depth examination of principles and theories underpinning planning, assessment and evaluation in tertiary contexts to enable participants to implement these in their practice. It does not assume formal knowledge of planning theories and models.

274

PHYSICAL EDUCATION AND HEALTH

274.315 **15 credits** * * *

Kinesiology

An advanced study of the forces that influence the efficiency of human movement.

274.707 **30 credits** S1 DL PN

Issues in Health and Physical Education

An advanced analysis of the theory and practice of health and physical education through a range of international/national perspectives on cultural issues and controversies with consideration to the Treaty of Waitangi.

275

HUMAN DEVELOPMENT

275.102 **15 credits** S1 DL PN

Human Development

An introduction to the study of lifespan human development and learning within changing social and physical contexts.

S1 I AL

S1 I PN

S1 I WL

S2 DL PN

S2 I PN

275.202 **15 credits** S2 DL PN

Development through Relationships

Processes, tasks and crises of human development; studying abuse and neglect from an attachment perspective including biological, personal and social contexts.

275.203 **15 credits** S1 DL PN

Child Development

A consideration of the developmental characteristics of children in various contexts.

275.204 **15 credits** S1 DL PN

Adult Development

A consideration of the developmental characteristics of adults in various contexts.

275.208 **15 credits** * * *

Adolescent Development

A consideration of the developmental characteristics of adolescents in various contexts.

275.237 **15 credits** * * *

Narrative in Human Development

An introduction to narrative as a research methodology in human development through the thematic analysis of autobiography.

275.304 **15 credits** S2 DL PN

Gender Development

Gender development and the impact of gender and gender role systems on individual developmental processes.

275.307 **15 credits** * * *

Infants in Families

This course on babies in families studies theories, models, research and the various ways these have been applied.

276

MATHEMATICS EDUCATION

276.325 **15 credits** * * *

Developing Children's Numeracy

An examination of the learning of mathematics with an emphasis on the development of numeracy from birth to 8 years of age. The paper will focus on the context of numeracy: teaching and learning mathematics with understanding, and children's mathematical thinking and strategies.

276.396 **15 credits** S1 DL PN

Mathematics in the Middle Years

This paper examines the development of mathematics knowledge in the middle years with a focus on the development of students' mathematical thinking and understanding of rational numbers, algebra, geometry and measurement, and statistics.

276.782 **30 credits** DS DL PN

Mathematics Education

The role of mathematics in education - what it is, why it is taught and how students learn. Difficulties associated with learning mathematical concepts in number, algebra, geometry and statistics. An introduction to issues in mathematics education, including gender, culture, technology and assessment.

276.784 **30 credits** S2 DL PN

Current Issues in Teaching Mathematics

A critical study of contemporary pedagogical issues in mathematics education, including issues related to the social context, learning and assessment and the culture of mathematics teaching.

276.785 **30 credits** DS B1 PN

Making Mathematics Accessible

An in-depth study of the research, theory and evidence-based practices associated with equitable classroom practices that make mathematics accessible for all learners.

277

ENVIRONMENTAL EDUCATION

277.324 15 credits * * *

Environmental Education

This paper establishes definitions and goals for environmental education. It considers the implications of these in current social and educational contexts and applies that analysis to classroom situations.

278

PRIMARY TEACHING

278.206 15 credits DS DL PN

Developing Teaching Practice

This paper provides opportunities for students to further develop their pedagogical practice. Students are introduced to management and pedagogical strategies and assessment practices.

278.260 15 credits DS DL PN

Effective Teaching of Mathematics

The further development of specialised content knowledge and pedagogical content knowledge for effective teaching of mathematics and statistics in primary schools in Aotearoa/New Zealand.

278.261 15 credits * * *

Effective Teaching of Reading

This paper further develops the understanding of the processes of literacy learning in children and its research-based application to literacy teaching in English, and in Te Reo Māori as appropriate.

278.264 30 credits DS DL PN

The Child in Diverse Contexts

Development of the knowledge and skills necessary for a critical analysis of the underlying relationships between the child, whanau, family, community, school and society.

278.265 15 credits S2 DL PN

Effective Teaching of Writing

This paper further develops the critical analysis of the theories, content and pedagogies of literacy development, focusing particularly on writing.

278.266 15 credits * * *

Interdisciplinary Studies I

A critical analysis of interdisciplinary subject and curriculum knowledge, and relevant pedagogy as applied in primary sector education.

278.267 15 credits * * *

Interdisciplinary Studies II

A critical analysis of interdisciplinary subject and curriculum knowledge, and relevant pedagogy as applied in primary sector education.

278.300 15 credits S2 DL PN

Music Leadership in the Classroom

Practical studies in music performance, including keyboard and vocal skills, music arranging and composition for the classroom and music leadership skills designed to extend students in a manner appropriate for teaching music in the classroom.

278.301 15 credits S2 DL PN

Integrated Technology Resource Development for Teachers

This paper requires students to critically examine how physical resources are produced. Students will undertake technological practice to produce tangible products, systems, or environments that will enhance the delivery of technology education within a range of technological areas.

278.305 30 credits DS DL PN

Professional Teaching Practice

This paper provides students with in-depth opportunities to analyse and engage in research-informed, critically reflective teaching and management practices, within bicultural and multicultural classrooms for a sustained period.

278.319 15 credits S1 I PN

Hauora (Total Wellbeing)

A paper for student teachers that critically examines concepts of wellbeing (hauora) within practical contexts. Students will develop strategies for promoting and maintaining personal health and physical development. Students will develop a personal philosophy of health and physical education.

278.321 15 credits * * *

Advanced Studies in Mathematics I

Study and investigation of topics at an advancing level selected from geometrical symmetry, number theory, measurement, spherical models, graph theory, problem-

solving, special topic. This course involves student teachers in studies relevant to the mathematics of the curriculum up to year 8. Appropriate teaching models such as problem-solving and discovery learning approaches will be exemplified.

278.323 15 credits * * *

Art Research Practical Studies

In-depth practical research into a selected field of New Zealand art history, the arts of the Māori, the arts of the Pacific, or art in cultural interaction.

278.333 15 credits S1 DL PN

Learning Visual Language

A study which examines theoretical, contextual and practical aspects of visual language and their application within educational settings.

278.352 15 credits * * *

Coastal Processes

A study of coastal physical processes and their influence on the nature of present-day coastlines and contemporary population dynamics of the littoral zone. A substantial field investigation is an essential component of the course.

278.355 15 credits * * *

Living in a Globalised World

An exploration of forms of globalisation through social inquiry to critically analyse contemporary social issues and their educational implications.

278.360 15 credits S1 DL PN

Mathematics for Diverse Learners

An advanced study of subject matter knowledge and pedagogical content knowledge in mathematics and statistics for primary teachers with a focus on effective pedagogical practices in primary mathematics classrooms.

278.361 15 credits S2 DL PN

Literacy for Diverse Learners

A critical evaluation of the theory and practice of the teaching of literacy skills. Students will acquire an understanding of differential instruction, develop competence in literacy assessment, learn how to manage effective literacy instruction in early childhood settings and primary classrooms, and learn strategies for collaborating with other professionals and parents.

278.362 30 credits DS DL PN

Interdisciplinary Studies for Diverse Learners

An in-depth study of biculturalism and diversity in relation to subject, curriculum and pedagogical knowledge. Further development of the knowledge, skills and attitudes to facilitate inclusive, responsive and creative learning environments within interdisciplinary teaching.

278.405 15 credits S1 DL PN

Advanced Professional Teaching Practice

An opportunity to undertake sustained, research-informed whole-class teaching in an Aotearoa/New Zealand primary school setting.

278.406 15 credits S1 DL PN

Classroom in Action

An analysis and evaluation of the establishment of a whole-class programme that is responsive to the needs of all learners. The effects of policy, school and community environments on learning are critically examined and the purpose and nature of professional working relationships emphasised.

278.420 15 credits S1 I AL

Teaching Experience I

A preparation for professional practice in school contexts, through teaching, critical self-reflection and evaluation of practice.

Students will critique theory, content knowledge and pedagogical content knowledge in light international research.

278.421 15 credits S1 I AL

Teaching Experience II

An advanced preparation for professional practice through the application, integration, synthesis, and critical self evaluation of theory, content knowledge and pedagogical content knowledge in light of international research.

278.422 15 credits S1 I AL

Teaching in Context I

An examination of the roles and responsibilities of teachers in promoting learning for all learners. Drawing on international research, students will reflect on themselves as learners and teachers together with factors that influence learning and teaching.

278.423 15 credits S2 I AL

Teaching in Context II

An examination of the roles and responsibilities of teachers in promoting learning. Drawing on international research students will reflect on and critically analyse the relationship between social, cultural, historical, and contemporary educational contexts and their influence on learning and teaching.

		Sem	Mode	Loc
278.424	15 credits	S1	I	AL
Mathematics Teaching in the Primary School		S1	I	PN
A study of content knowledge and pedagogical content knowledge for teaching mathematics in primary schools in Aotearoa/New Zealand.				
278.425	15 credits	S2	I	AL
Effective Pedagogy in Mathematics		S2	I	PN
A study of the teaching of mathematics for diverse learners in primary classrooms in Aotearoa/New Zealand.				
278.426	15 credits	S1	I	AL
Literacy Development and Pedagogy		S1	I	PN
An evaluation of the theory and practice of the teaching of reading and writing. An examination of the processes involved in skillful reading and writing and analysis of research-based practices in reading and writing instruction at the primary levels.				
278.427	15 credits	S2	I	AL
Literacy Assessment and Instruction		S2	I	PN
An examination of the theory, research, and methods of reading and writing assessment that inform instruction.				
278.428	15 credits	S1	I	AL
Education in Science, Social Science and Technology		S1	I	PN
An overview and critical appraisal of the theory and practice of learning and teaching in Science, Social Science and Technology through an inquiry-based approach to curriculum knowledge, content knowledge and pedagogical content knowledge relevant to primary school education in Aotearoa/New Zealand.				
278.429	15 credits	S2	I	AL
Education in the Arts, Hauora and Learning Languages		S2	I	PN
An overview and appraisal of the theory and practice of learning and teaching in the Arts, Hauora and Learning Languages through a multidisciplinary approach to curriculum knowledge, content knowledge and pedagogical content knowledge relevant to primary school education in Aotearoa/New Zealand.				
278.460	15 credits	S2	DL	PN
Classroom Numeracy and Literacy		S2	I	PN
A critical analysis of theories, research and pedagogies of numeracy and literacy with a particular focus on programme design and implementation for all learners.				
278.461	15 credits	S2	DL	PN
Classroom Enquiry		S2	I	AL
An individual, research-informed supervised classroom enquiry where students plan, undertake and report on an investigation with a group of children in order to refine teaching, diagnostic and formative assessment skills.				
278.463	15 credits	S1	DL	PN
Te Hononga - Engaging with Māori in Education		S1	I	PN
A bicultural understanding of the implications of social, political and cultural contexts of education with an emphasis on the role of whanau and community for teaching and learning within educational settings.				
278.701	15 credits	*	*	*
Teaching in Context I				
A critical examination of the roles and responsibilities of teachers in promoting learning for all learners. Drawing on international research, students will reflect critically on themselves as learners and teachers together with factors that influence learning and teaching.				
278.702	15 credits	*	*	*
Teaching in Context II				
A critical examination of the roles and responsibilities of teachers in promoting learning. Drawing on international research students will reflect on and critically analyse the relationship between social, cultural, historical, and contemporary educational contexts and their influence on learning and teaching.				
278.703	15 credits	*	*	*
Professional Practice I				
A preparation for professional practice in school contexts, through teaching, critical self-reflection and evaluation of practice. Students will critique theory, content knowledge and pedagogical content knowledge in light international research.				
278.704	15 credits	*	*	*
Professional Practice II				
An advanced preparation for professional practice through the application, integration, synthesis, and critical self evaluation of theory, content knowledge and pedagogical content knowledge in light of international research.				
278.705	15 credits	*	*	*
Mathematics Teaching in the Primary School				
A study of content knowledge and pedagogical content knowledge for teaching mathematics in primary schools in Aotearoa/New Zealand.				
278.706	15 credits	*	*	*
Effective Pedagogy in Mathematics				
An advanced study of the teaching of mathematics for diverse learners in primary classrooms in Aotearoa/New Zealand.				

		Sem	Mode	Loc
278.707	15 credits	*	*	*
Literacy Development and Pedagogy				
A critical evaluation of the theory and practice of the teaching of reading and writing. An examination of the processes involved in skillful reading and writing and analysis of research-based practices in reading and writing instruction at the primary levels.				
278.708	15 credits	*	*	*
Literacy Assessment and Instruction				
A critical examination of the theory, research, and methods of reading and writing assessment that inform instruction.				
278.709	15 credits	*	*	*
Education in Science, Social Science and Technology				
An overview and critical appraisal of the theory and practice of learning and teaching in Science, Social Science and Technology through an inquiry-based approach to curriculum knowledge, content knowledge and pedagogical content knowledge relevant to primary school education in Aotearoa/New Zealand.				
278.710	15 credits	*	*	*
Education in the Arts, Hauora and Learning Languages				
An overview and critical appraisal of the theory and practice of learning and teaching in the Arts, Hauora and Learning Languages through a multidisciplinary approach to curriculum knowledge, content knowledge and pedagogical content knowledge relevant to primary school education in Aotearoa/New Zealand.				
278.711	15 credits	*	*	*
Classroom Inquiry				
An individual, research-informed supervised classroom inquiry where students plan, undertake, critically analyse, and report on an investigation with a group of children in order to refine teaching, diagnostic and formative assessment skills.				
278.760	30 credits	S1	I	PN
Primary Curriculum 1				
An introduction to and analysis of the professional requirements of the New Zealand Curriculum and assessment frameworks.				
278.761	30 credits	S2	I	PN
Primary Curriculum 2				
Clinical application and analysis of learning areas in the New Zealand Curriculum and of assessment frameworks.				

279

SOCIAL POLICY

279.101	15 credits	S1	DL	PN
Social Policy: An Introduction		S1	I	AL
An introduction to social policy with particular relevance to the history and patterns of social and economic development in New Zealand.				
279.201	15 credits	S2	DL	PN
Social Policy: Concepts and Theories		S2	I	AL
An exploration of the influence of different political theories and key concepts (such as freedom, equality and justice) on the development of social policy in New Zealand. Applications to contemporary policy case studies are included.				
279.203	15 credits	S1	DL	PN
Law, Government and Social Policy		S1	I	AL
An introduction to law, politics and the role of government in a democratic society. Examination of the constitutional framework of government in New Zealand and focus on the part played in public policy processes by the executive, legislative and judicial branches of government. A number of specific statutes are studied as examples of the outcomes of legislative processes.				
279.301	15 credits	S1	DL	PN
Government Policy, Planning and Administration		S1	I	AL
An examination of government policy, planning and administration. Attention will be focused on the policy process using case studies drawn from local, regional and central government.				
279.302	15 credits	S2	DL	PN
Policy Research and Evaluation				
An examination of the relationship between policy and research and the concepts, techniques and issues involved in policy and programme evaluation. The course may include some practical experience in survey research.				
279.401	15 credits	S1	DL	PN
Social Policy Evaluation		S1	I	AL
An examination of social policy programmes and/or legislation which provides students with an opportunity to explore areas of particular interest.				

		Sem	Mode	Loc
279.701	30 credits	DS	DL	AL
Social Policy and Political Economy				
An advanced study of the nature and prospects for social policy (and the welfare state in particular) in contemporary societies. An examination of key political concepts, alternative models of political economy, competing theoretical perspectives of the state and social policy, and empirical developments both in New Zealand and internationally.				
279.703	30 credits	*	*	*
Social Policy Studies				
A critical review of social policy in New Zealand with particular emphasis on policy processes, institutional frameworks, social policy delivery systems, outcomes.				
279.796	30 credits	DS	DL	PN
Research Report (30)				
A systematic enquiry into an area of public policy which is to be presented in the form of a research report. The policy analysis will be expected to use appropriate research techniques, and most typically will be in the form of a piece of applied policy or programme evaluation.				
279.798	60 credits	*	*	*
Research Report (60)				
279.800	120 credits	DS	DL	PN
MPhil Thesis				
A supervised and guided independent study resulting in a published work.				
279.801	60 credits	DS	DL	PN
MPhil Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
279.802	60 credits	DS	DL	PN
MPhil Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
279.816	60 credits	DS	DL	PN
Thesis 120 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
279.817	60 credits	DS	DL	PN
Thesis 120 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
279.873	60 credits	S1	DL	PN
Research Report Social Policy (60)				
		DS	DL	PN
		S2	DL	PN
279.881	45 credits	S1	DL	PN
Thesis 90 Credit Part 1				
A supervised and guided independent study resulting in a published work.				
		DS	DL	PN
		S2	DL	PN
279.882	45 credits	S2	DL	PN
Thesis 90 Credit Part 2				
A supervised and guided independent study resulting in a published work.				
279.898	90 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
279.899	120 credits	DS	DL	PN
Thesis				
A supervised and guided independent study resulting in a published work.				
279.900	120 credits	DS	I	AL
PhD Social Policy				
		DS	I	PN

280

PROCESS AND ENVIRONMENTAL TECHNOLOGY

280.016	30 credits	*	*	*
Elementary Meat Science				
Elementary meat science will be dealt with in this paper. The chemistry component will look at atomic and molecular structure, bonding, chemical equilibria, acids and bases as well as an introduction to organic chemistry. There will also be a section on biological systems considering single and multicellular organisms. The physics portion will include the study of force, work, energy, heat, light and electricity.				
280.017	15 credits	*	*	*
Elementary Meat Mathematics				
The elementary mathematics to enable a better understanding of the operation of a meat processing plant will be covered. The course will consider such mathematical principles as linear and simultaneous equations and statistics.				

		Sem	Mode	Loc
280.101	15 credits	*	*	*
Animal Production Through to Carcass Classification				
Overall meat production up to when the carcass is classified as it leaves the slaughter floor will be considered. Topics include animal growth and development, on-farm opportunities to influence carcass and meat quality, pre-slaughter handling of meat-producing animals, slaughter and carcass dressing procedures for the main meat-producing species, and carcass classification. Current practices as well as trends and developments are addressed.				
280.102	15 credits	*	*	*
Preparation and Preservation of Fresh Meat				
The microbiology, biochemistry and technology involved in the production of fresh and frozen meat and meat products will be addressed. Identification of factors contributing to microbial loads on fresh carcass meat and the use of modern meat-preservation technologies to prevent and control the development of microbial populations with a view to extending product shelf-life. It will include a review of hazardous microbes carried by fresh meat and meat products and their control in a modern processing facility.				
280.103	15 credits	DS	B1	PN
Meat Plant Services and Utilities				
Theory and application of services into the meat plant, including refrigeration, steam, hot water, air and the supply of potable water and the handling of wastewater as well as other waste streams will be addressed. Issues such as waste minimisation, legislation and resource optimisation will also be considered as will a broad coverage of the principles of plant design including siting, layout, and construction.				
280.104	15 credits	DS	B2	PN
Co-products Derived from Meat Animals				
		S2	I	PN
Technology including the applied microbiology and chemistry involved in the processing of hides and pelts to the finished leather stage, inedible and edible processing of blood, foetal blood and co-products, casings and yields and costing for the various co-product options.				
PROCESS ENGINEERING				
280.105	15 credits	DS	B1	PN
Quality Assurance for the Meat Industry				
Concepts of food safety and other product quality elements from a customer perspective will be considered along with the interrelationships of production, process and product. An examination of techniques and methods for product and process control and improvement including ISO Standards, HACCP, Risk Analysis, ante- and post-mortem inspection, auditing principles, general food safety principles and occupational safety and health. Consideration will also be given to current legislation and requirements that impact on the meat processing industry.				
PROCESS AND ENVIRONMENTAL TECHNOLOGY				
280.106	15 credits	DS	B1	PN
Added-Value Processing of Meat and Meat Products				
The technology of producing a range of added-value meat products looking at the applied science and microbiology involved. Topics include restructured meat technologies, hamburger manufacture, ready-to-eat meals, canned products, surimi processing, bone and mechanically recovered meat processing, tallow refining, fine chemical processing, additive properties and uses, yields and product costing.				
PROCESS ENGINEERING				
280.201	15 credits	S2	I	AL
Industrial Microbiology				
		S2	I	PN
An industry focussed course in microbiology with particular reference to the importance of microorganisms and their application in selected industries. This programme of study examines the growth and control of industrially important microorganisms, the role of microbes in the production of food products, their application in both waste treatment and in industrial fermentation, and the role of microbes in the health sector. A laboratory course.				
280.271	15 credits	S1	I	AL
Heat and Mass – Conservation and Transfer				
		S1	I	PN
This paper extends the concepts of the conservation and transport of heat and mass and thermodynamics in processing systems, the material and system properties that affect these processes and the sourcing or prediction of appropriate material and system data. Unit operations in food or chemical processing industries will be used to demonstrate the application of these principles. A practical course.				
280.272	15 credits	S2	I	AL
Fluid Flow and Particle Technology				
		S2	I	PN
This paper extends the concepts of fluid flow and particulate systems. The principles of fluid mechanics and characterization of rheological properties are applied for Newtonian and non-Newtonian fluids. The characterization and dynamics of particulate systems are introduced and applied to unit operations used in the food and chemical industries, such as cyclones, settlers, centrifuges, fluid beds and filtration. A practical course.				

280.301 **15 credits** * * *

Project Engineering

Techniques for planning and execution of capital expenditure projects in industry including procedures for feasibility and preliminary design studies, project costing, preparation of process flowsheet and layout diagrams, hazard analysis, consideration of ethical legal and social environments, tendering and contract administration. Case studies from practising project managers on the practical application of the principles of good project engineering. A practical course in drawing.

PROCESS AND ENVIRONMENTAL TECHNOLOGY

280.302 **15 credits** * * *

Clean Process Technology

Advanced clean technology concepts and techniques including process integration, input/output analysis, risk benefit assessment, process improvement and life cycle analysis. Global and industrial case studies.

PROCESS ENGINEERING

280.303 **15 credits** * * *

Concentration Processes

Single- and multi-stage evaporation. Constant rate and falling rate drying. Product weight loss. A study of particle operations including sedimentation, centrifugation, fluidisation and flotation. Non-Newtonian fluid technology, applications of refrigeration to freezing and chilling of biological materials. A laboratory course.

280.304 **15 credits** S2 | PN

Bioseparation and Purification Processes

The principles and practice of bioseparations and purification processes. The following unit operations will be included: distillation, leaching, liquid/liquid extraction, protein fractionation, flocculation and chromatographic separations. A laboratory course.

280.311 **15 credits** * * *

Molecular Biotechnology

A course on the applications of molecular biotechnology in the bioprocessing industries, the food industry and the waste management industry. Topics include the fundamentals of molecular biotechnology, the production and purification of recombinant proteins, environmental biotechnology. A discussion of the current issues on safety, regulation, patenting and field trials. A practical course.

280.341 **15 credits** S1 | PN

Environmental Technology

This paper will review physical, chemical, and biological principles and processes to treat pollutants with emphasis on the design and operation of biological treatment processes based on bioenergetics and biokinetics principles. Students are introduced to the processes for waste management, nutrient removal, hazardous pollutant detoxification, energy generation from waste, and the use of algae and macrophytes in environmental technology.

AGRICULTURAL ENGINEERING

280.346 **15 credits** * * *

Water and Wastes

An introduction to hydrology, water quality characteristics, drinking water treatment and pump/pipeline systems. An overview of waste management strategies. An examination of wastewater treatment technologies including physical, biological and natural treatment systems. An introduction to solid waste and hazardous waste management.

PROCESS ENGINEERING

280.371 **15 credits** S1 | AL

Process Engineering Operations

The application of engineering principles to operations used in the food or chemical processing industries. Operations such as evaporation, drying, membrane technologies, refrigeration and process cooling systems will be used as examples of how the underlying principles of thermodynamics, conservation and transport of heat, mass and momentum can be used to select, design and optimise industrial processes.

280.372 **15 credits** S1 | SP

Reaction Technologies and Process Modelling

A systematic approach to modelling processing operations in terms of heat, mass and momentum transfer. Modelling reactions and reactor systems to predict the progress of reactions in food preservation and processing operations, chemical and enzymatic catalysis, and biochemical reaction systems. A laboratory course.

TECHNOLOGY AND ENGINEERING

280.393 **15 credits** * * *

Project Engineering and Design

Execution of capital expenditure projects, including feasibility and preliminary design studies, costing, preparation of flowsheet and layout diagrams, hazard analysis, consideration of ethical, legal and social issues, tendering and contract

administration. Principles of engineering design and scale-up. Case studies. A practical course.

PROCESS ENGINEERING

280.702 **15 credits** S1 | PN

Process Control

Practical process control techniques including tuning single proportional integral derivative controllers, choosing appropriate control loops for a processing plant and measurement instrumentation. An overview of advanced control techniques. Programmable logical controllers. A practical course.

280.721 **15 credits** S2 | PN

Process Improvement

This paper critically appraises key industrial processes by establishing their core reaction engineering and thermodynamics, identifying theoretical limits in terms of material and heat balances across product life cycles and by defining their current effectiveness. "Potential for further improvement" is evaluated, such as new emerging competitor processes, alternative reaction pathways, process intensification concepts, hazard mitigation, or emerging life cycle custodianship practises.

280.760 **15 credits** * * *

Industrial Refrigeration

The customer/contractor interface and preparation of specifications; ozone depletion, global warming and refrigerant choice; estimation of heat loads; prediction of chilling and freezing and design of chillers and freezers; product weight loss; refrigeration plant layout and design; operational efficiency of refrigeration systems; absorption refrigeration; water vapour and refrigeration.

280.771 **15 credits** S1 | PN

Chemical and Bioprocess Engineering

Integrated design of processes based on the application of thermodynamic and transport phenomena principles. Systematic methods for the development of dynamic modelling, simulation and visualisation of heat and mass transport applied to chemical and bioprocessing industries.

281

ELECTRONICS AND INFORMATION ENGINEERING

281.272 **15 credits** S2 | AL

Signals and Systems

A study of signals and linear systems and their applications in modern engineering. Representation of continuous and discrete time signals and systems in the time and frequency domains. Stability, feedback, sampling and aliasing. Introduction to design of analogue and digital filters. Provides a foundation for later studies in control engineering, advanced signal processing and communications.

281.273 **15 credits** S1 | AL

Communication Network Architectures

This paper presents the underlying concepts for modern communication network architectures, which includes an overview of network architectures and their functions. It explores the fundamental operating principles of current physical systems that transport electrical signals across a network. It investigates technologies that enable the transmission of vast quantities of information across a modern network.

281.281 **15 credits** S1 | AL

Analogue Electronic Systems

This paper builds on the fundamentals of DC and AC electrical circuit analysis. It provides an introduction to the design and building of analogue electronic systems. The course will cover a blend of circuit theories, operational amplifier circuits and applications, filters, oscillators, diodes and transistors circuits.

281.282 **15 credits** S2 | AL

Digital Electronic Systems

This paper builds on the fundamentals of digital logic and the principles of computing. It provides the methodology for designing and building complex digital electronic systems. The topics are a blend of combinatorial circuits, sequential circuits, finite state machines, and Field-Programmable Gate Arrays (FPGAs). It establishes a foundation for further advanced design in embedded systems.

ELECTRICAL AND ELECTRONIC

281.323 **15 credits** * * *

Electronic Engineering Project

Shared project paper for Electronics and Telecommunications options in which students, under academic supervision, apply their problem-solving skills, their design skills and their accumulated knowledge to a specific problem. Projects are similar to industrial problems or are related to research and development. Written and oral presentation of intermediate and final results.

ELECTRONICS AND INFORMATION ENGINEERING

281.352 **15 credits** * * *

Electromagnetics

An in-depth study of the application of electromagnetics in modern engineering, including selected aspects of vector algebra, magnetostatics, conductors, insulators, Poisson's and Laplace's equation, transmission lines, time-varying fields and Maxwell's equations. Other topics included in this paper are wave propagation, wave guides, solution of wave guide equations and their applications, and microwave devices. A practical course.

281.353 **15 credits** S2 | AL

Control Engineering

This paper provides the foundation for the analysis and implementation of feedback control systems. Design and tuning of PID and other linear controllers to meet time and frequency specifications are studied in detail. Both analogue and digital control are considered. Non-linear control is introduced through fuzzy logic control. Practical engineering applications are used to illustrate theory and concepts.

281.374 **15 credits** S1 | AL

Communication Systems

A study of modern communication system fundamentals including wireless communications. This paper builds a sound understanding of how communication systems work, covering practical communication systems. Topics include random process and bandpass signaling principles, analogue and digital modulation, communication circuit components, basics of error control coding, and advanced wireless communication technologies.

281.375 **15 credits** S2 | AL

Data Communication Networks

The Internet is a fundamental platform for communication in our world. The architecture and protocols of this network of networks are essential to how they operate. This paper focusses on the associated multi-layer protocol structure of the Internet by showing how it is constructed and how protocols underpin the variety of applications developed to support business, education and social networking.

ELECTRICAL AND ELECTRONIC

281.382 **15 credits** * * *

Microcontroller Applications

Operational and programme models; design and implementation of hardware and software solutions for engineering tasks; simulators and in-circuit emulators, principles of digital signal processing. Laboratory and assignment work.

281.383 **15 credits** * * *

Control Systems

Open and closed loop control; proportional, integral and differential control, fuzzy logic; analysis of servomechanisms. Laboratory and assignment work.

ELECTRONICS AND INFORMATION ENGINEERING

281.384 **15 credits** S1 | AL

Embedded Systems Design

This paper lays the foundation for designing and building embedded electronic systems. The topics are a blend of advanced features of a modern mixed-signal microcontroller, real-time operating systems (RTOS) and Field-Programmable Gate Arrays (FPGAs)

281.385 **15 credits** S2 | AL

Advanced Electronic Circuits

This paper covers the foundation for designing and building advanced electronic circuits and systems. It also lays the foundation for more advanced studies in electronic circuits. The topics are a blend of electronic circuits, sensor interfacing and instrumentation amplifiers, low-noise amplifiers, oscillators and filters, radio frequency and communication circuits, power amplifiers, power supply design fundamentals, and phase locked loops.

PRODUCTION TECHNOLOGY

281.454 **15 credits** * * *

Multimedia Systems Engineering

Advanced topics in multimedia systems engineering with a strong emphasis on the design of hardware and software systems to enable the delivery of interactive multimedia content. Practical demonstrations and project work.

ELECTRONICS AND INFORMATION ENGINEERING

281.729 **15 credits** * * *

Applied Multimedia Signal Processing

Modern digital audio and video signal processing algorithms and applications. The human aural and visual systems. Image, video and audio coding, analysis, storage and transmission. Digital Video Effects (DVFX) and Digital Audio Effects (DAFX). A practical course with laboratory demonstrations and project work.

281.748 **15 credits** * * *

Wireless Communications Systems

An overview of wireless networks, the wireless medium, the concept of spread spectrum and code-division multiple access. An in-depth study of the generation of

spreading sequences, wireless network planning and operation, wireless systems and standards, and GSM, TDMA and CDMA technologies. An examination of contemporary topics including mobile data networks; wireless LANs, wireless ISP, ad hoc networking and WPAN, satellite communications, antennas, and propagation modes. Management of Wireless Networks.

281.755 **15 credits** S1 | AL

Digital Signal Processing

This paper studies the processing of discrete-time signals in the time and frequency domains. Students are introduced to the design and realisations of digital filters; the theory and application of transform techniques including discrete Fourier transform and discrete wavelet transform; the application of multi-rate signal processing concepts to efficient sample rate conversion and filter banks; and adaptive filtering algorithms.

281.756 **15 credits** S2 | PN

Image and Video Processing

Fundamental image processing operations are introduced, including point operations, linear and non-linear local filters, segmentation and classification operations. Several different vision systems are examined in detail. Machine vision system design is considered, analysing both technical and economic feasibility. Image and video compression technologies are analysed, with particular emphasis on transform coding. Techniques for the mitigation of compression artefacts are discussed.

281.757 **15 credits** * * *

Advanced Micro Technologies

The design and use of modern microelectronic components and microsystems. Technologies relevant to fabrication of micro devices and systems. The use of modern design tools. Introduction to a hardware description language. Laboratory course.

281.759 **15 credits** * * *

Communication Network Planning and Performance

The paper introduces the main concepts of performance modelling for teletraffic engineering and shows how to invert performance models to produce accurate planning models for communication networks.

281.765 **15 credits** * * *

Management of Information Systems and Reliability

Organisational management structures, managing systems development projects, managing skilled IS staff, managing organisational information, IS security, out-sourcing, user support, IS failure, business re-engineering, organisational transformation, management of reliability, maintenance and safety in modern industries, safety critical systems, high reliability system design and software development. Principles of quality management and ISO system standards. Professional practice.

281.766 **15 credits** S1 | PN

Advanced Telecommunications

This paper provides advanced topics in modulation and coding techniques, spread spectrum communication, frequency spectrum planning and management, radio link design, signal processing for communication, high frequency electronics, broadband residential communication systems (xDSL), wireless loop technologies, digital audio broadcasting, digital TV and introduction to satellites for communication. Students will do project work and will prepare a report on a selected communication topic.

281.773 **15 credits** S2 | PN

Applied Digital Image and Speech Processing

Image formation and capture. Point, local and global operators. Linear and nonlinear filters. Image segmentation, pattern classification and measurement. The human visual system. Automatic visual inspection and image analysis. Image coding and storage. Speech coding, analysis and synthesis. Laboratory demonstrations and project course.

281.774 **15 credits** * * *

Advanced Computer Systems Engineering

Advanced topics related to computers and associated systems. Modules cover hardware and software aspects of specific technologies such as artificial neural networks, intelligent multi-agent collaborative systems, parallel programming and application of hardware signal processing systems, digital system design using hardware description languages with application to programmable gate arrays. Practical demonstrations and project work.

281.776 **15 credits** S1 | AL

Advanced Communication Engineering

This paper covers the foundation of modern communication systems, satellite communication systems and wireless networks. It provides an in-depth study of the wireless medium, wireless network planning and operation, communication systems and standards. There is thorough examination of advanced topics including equalization, rake receivers, MIMO & smart antenna systems, wireless network security.

281.785 **15 credits** S2 | AL
Advanced Computer Engineering S2 | PN
 A study of the architecture of computer systems. It investigates different number representations and techniques of computer arithmetic. Multi-core and multi-processor systems are introduced and techniques for managing concurrency are covered. This paper builds an understanding of the design and development of microprocessors and microcontrollers.

281.786 **15 credits** S2 | AL
Advanced Micro- and Nano-electronics
 This paper will cover microelectronic and nanoelectronic devices, fabrication processes and CMOS integrated circuit design. CMOS integrated MEMS sensor design will also be introduced. Computer aided design tools will be used for design, layout and verification of integrated circuits.

282

MECHATRONICS AND AUTOMATION ENGINEERING

282.260 **15 credits** S1 | AL
Manufacturing Engineering and Computer Aided Design S1 | PN
 This paper provides students with knowledge in the working principles of, and the concepts needed to design for, traditional and modern manufacturing processes. Processes covered include a range of manufacturing methods dealing with plastics and metals. It also teaches Computer Aided Design (CAD) as an engineering communication and design tool. A practical course with projects that link manufacturing and CAD.

282.371 **15 credits** S1 | AL
Mechanical Engineering – Solid Dynamics S1 | PN
 Properties of materials including stress and strain, yield, strengthening methods and failure. Selection of materials by property profiles, and manipulation of material properties. Mechanics of materials including axial loading, shear, beams, torsion, stress concentrations and structures.

282.372 **15 credits** S2 | AL
Mechanical Engineering – Mechanism and Component Design S2 | PN
 This paper is a study of advanced static and dynamic analysis of loaded structures and mechanisms and it will introduce the finite element method of stress analysis.

282.373 **15 credits** S2 | AL
Mechanical Engineering – Fluid Mechanics & Thermodynamics S2 | PN
 This paper applies fluid mechanics to systems which might be encountered in engineering practice. Topics include fluid properties, hydrostatics, laminar and turbulent flow, energy and continuity equations in one dimension. The course also covers basic concepts of thermodynamics, including perfect gas properties and zeroth, first and second laws.

282.462 **15 credits** * * *
Robotics and Automation
 This paper uses projects that allow students to integrate multiple mechatronic systems and robots into a whole system capable of automating specific, repetitive tasks such as those commonly found in industry. Students will utilise PLCs to control automated assembly lines; programme and control industrial robots; and design vision systems for component identification.

282.478 **15 credits** S1 | AL
Mechatronics S1 | PN
 Mechatronic design methodologies, the economic and management implications of system integration, the use of linkages, gears, levers, drives and actuators, practical electronic circuits, pneumatic and hydraulic systems, and embedded software to produce physical mechatronic elements. It reviews mechanical, electronic and software skills, but in the context of application to the practical design of mechatronic elements. A practical, project based paper.

282.758 **15 credits** * * *
Simulation, Modelling and Optimisation
 A practical course in modelling, simulation and optimisation of systems in industry.

282.761 **15 credits** * * *
Modern Multivariable Control
 Multivariable control and advanced control technologies, including nonlinear control, Lyapunov stability theory, robust control, optimal control and adaptive control. An applied mini-project is assigned using a few setups available while a control system design package is used extensively both as a design tool and to reinforce teaching.

282.762 **15 credits** S1 | AL
Robotics and Automation S1 | PN
 A study of automation and industrial robotics, its elements and systems. This paper uses projects that allow students to integrate multiple mechatronic and robotic systems capable of automating specific, repetitive tasks such as those commonly found in industry. Students will study the control of industrial robots and design

vision systems for component identification. Subsystems will be integrated to follow a systems approach to the design of Industrial robotic applications with consideration of programming, control and process design. A practical, project based paper.

282.767 **15 credits** * * *
Control Systems Design
 A practical course in control system design involving the analysis of a control problem followed by the synthesis, modelling and implementation of a solution. The emphasis is on control system design in an industrial context.

282.772 **15 credits** S2 | AL
Industrial Systems Design and Integration S2 | PN
 Design of mechatronic elements and components to form a working system. Review of sensors for integration into a microcontroller- and/or PC-controlled, mechatronics system. Robotics, the use of simulation packages to effectively analyse mechatronics systems, future manufacturing technologies and how they may impact on the field of mechatronics. A practical, project based paper.

282.778 **15 credits** S1 | AL
Mechatronics S1 | PN
 An advanced study of mechatronics design philosophy, its elements, and systems. The paper focuses on motion control and interfacing, sensors and interfacing, microcontroller and programming applications, behaviour control and implementation, dynamics simulation of working machines, mechatronics in PC-based control system, integration of mechanical, pneumatic and electric and electronics systems. A practical, project based paper.

283

AGRONOMY

283.006 **15 credits** * * *
Pasture and Crop Production
 An introduction to the importance of pastoral farming to New Zealand agriculture and the role of legumes in pastures. The identification, selection, and establishment of pasture species and crops, including weed control. The seasonality of pasture growth and matching pasture growth with animal requirements, through monitoring of grazing systems, supplementary feeding, and crop management.

AGRICULTURE / HORTICULTURE PLANTS

283.101 **15 credits** S1 | PN
Plants in Agriculture DS DL PN
 An introduction to the pasture, arable crop and tree species that are important to New Zealand's agriculture. The growth and development of agricultural plants, their responses to the environment, and how these responses affect both vegetative and reproductive yield. Identification of agricultural plants. Introduction to the identification and biology of weeds, pest and pathogens important to agricultural plant production.

283.201 **15 credits** DS DL PN
Pasture and Crop Agronomy S2 | PN
 The husbandry of agricultural plants and the management of plant communities at the farm level. Topics include balancing pasture growth and animal demand, pasture assessment, pasture establishment, cash crops, growth and utilisation of forage crops and control of weeds and pests.

283.301 **15 credits** DS DL PN
Pasture Production and Practice DS | PN
 The practical application of pasture production and grazing management principles to grazing systems. An introduction to sward dynamics and the herbage factors influencing both the productivity and utilisation of grazed pastures.

AGRONOMY

283.305 **15 credits** S1 | PN
Arable Production and Technology
 Seed production and technology, selected arable crops and the use of precision agriculture technology to improve the efficiency and sustainability of crop production. Emphasis will be on achieving production objectives for yield, quality and harvest scheduling. Physiological aspects of seed and crop production. Management of inputs such as fertiliser and irrigation using detailed farm maps, GPS and GIS.

283.311 **15 credits** S1 | PN
Controlling Weeds S2 DL PN
 Aspects of weed biology will be studied to help understand how to obtain efficient and effective weed control. The full range of control techniques, both chemical and non-chemical, will be discussed. Students will learn how to develop integrated weed control programmes for their specific area of interest in agriculture, horticulture, forestry or conservation.

283.321 **15 credits** DS DL PN
Trees on Farms S2 I PN
 A study of aspects of the biology and ecology of trees which influence their use on farms and in farming systems. Woodlots and wood products; biomass production and effluent disposal; agroforestry systems and forage production. The value of trees for soil stabilisation, shelter, amenity and landscape management.

AGRICULTURE / HORTICULTURE PLANTS

283.322 **15 credits** S2 DL PN
Landscape Revegetation
 Consideration of plant and environmental factors affecting establishment of plants by informal means in the landscape; techniques for establishment of species - rich herbaceous and woody vegetation; maintenance factors affecting vegetation structure and species composition; links between ecological aspects of plant science and management of created landscapes.

283.701 **15 credits** S1 I PN
Advanced Pasture Production and Practice DS DL PN
 An advanced paper in the understanding and application of the principles of pasture production and pasture management to grazing systems. Each student will have an approved course of study designed to meet their individual requirements.

AGRONOMY

283.702 **30 credits** DS I PN
Advanced Agronomy
 Advanced studies in agronomy based on a selection of two modules from within the following: seed technology, arable crop, pasture management, silvicultural systems and seed science.

283.703 **15 credits** S2 I PN
Pasture Ecophysiology
 Sustainability and stability of pasture based ecosystems from the perspective of the productivity, ecology and environmental physiology of pastures.

283.704 **15 credits** DS DL PN
Urban and Farm Forestry
 Advanced studies in forestry including management and environmental issues. Students are required to select either the farm forestry or urban forests and landscapes modules.

283.707 **30 credits** * * *
Plant Breeding
 An overview of methods used in plant breeding. Special emphasis is given to molecular breeding and breeding for tolerance to abiotic stress with topics including mapping, markers and QTL, transgenics, metabolomics, polyploidy, cytogenetics, tissue culture, IP and ethics. A block course allows students to see application of these techniques to plant breeding programmes in industry, and encourages discussion and networking.

283.708 **30 credits** * * *
Quantitative Plant Breeding
 A career development paper on the application of quantitative genetics and plant breeding. Topics include objective setting, plant genetic resources, base population development, quantitative genetic variation, selection efficiency, selection of multiple traits, GXE interactions, line development, backcross breeding, recurrent selection and variety development. Two block courses allow students to visit plant breeders, and encourage discussion and networking.

283.785 **15 credits** DS I PN
Special Topic

283.786 **30 credits** DS I PN
Special Topic

283.870 **60 credits** * * *
Research Report

283.871 **45 credits** S1 I PN
Thesis 90 Credit Part 1 S2 I PN
 A supervised and guided independent study resulting in a published work.

283.872 **45 credits** S1 I PN
Thesis 90 Credit Part 2 S2 I PN
 A supervised and guided independent study resulting in a published work.

283.875 **90 credits** DS I PN
Thesis
 A supervised and guided independent study resulting in a published work.

284

HORTICULTURE (PRODUCTION & LANDSCAPE)

284.101 **15 credits** S1 DL PN
Production Horticulture S1 I PN
 The dynamic interaction between plants, people and the environment, primarily in the fruit and vegetable sectors. An integrative analysis of the underlying production systems, industry structures and organisation including an introduction to seed science and technology. An intensive practical programme.

284.201 **15 credits** S2 DL PN
Horticultural Production Systems S2 I PN
 Exploring the role of key factors which influence horticultural crop production in the 21st century. Topics covered include a broad range of subjects from site and crop establishment to management approaches to manipulate final product specification.

284.301 **15 credits** S1 DL PN
Horticultural Crop Development & Yield S1 I PN
 Physiological and applied aspects of monitoring, predicting and manipulating crop growth and development in production horticulture in order to optimize yield, quality and timeliness. Prediction of crop growth and development in response to changes in the environment and the associated decisions made by growers.

PLANT HEALTH

284.322 **15 credits** S1 DL PN
Managing the Landscape S1 I PN
 A study of the issues and processes of landscape management using botanic gardens and urban and rural parks as the study example. Topics include deterioration and restoration of vegetation and formation of long-term vegetation plans; managing biodiversity and visual value; formation of a management plan. Management processes include; inventory and evaluation; development of goals for preservation, enhancement and use; and strategies for vegetation and visual quality. Field trips and field exercises are used to illustrate the study topics

AGRICULTURE / HORTICULTURE PLANTS

284.342 **15 credits** S2 I PN
Hort Productivity and Quality
 The role of crop architecture and the modification of the aerial environment for optimising yield and pre-harvest product quality, as well as the factors affecting quality and shelf life of horticultural commodities through the handling chain.

HORTICULTURE (PRODUCTION & LANDSCAPE)

284.701 **30 credits** DS I PN
Vegetable Crop Science
 The science and production of quality vegetable products from establishment to harvest. Topics will align to student interests in vegetable crop science including: factors affecting productivity and quality, specialist production systems including root, tuber and leafy crops, crop nutrition, irrigation and harvest.

284.702 **30 credits** DS I PN
Fruit Science
 Production of quality products of subtropical, warm and cool temperate fruits. Topics meet student interest but could include factors affecting productivity and quality; manipulation of tree, flower and fruit development; biological production systems; pre-harvest factors influencing product quality; quality management. A major assignment on an aspect of fruit science.

284.741 **30 credits** DS I PN
Post-harvest Physiology
 Reviews the role of physiological principles in post-harvest systems. Topics covered depend upon class interests, and may include control of water loss, functions of cell walls and membranes; calcium; ethylene; chilling injury; genetic manipulation; modified atmospheres and non-chemical disease control.

285

PLANT HEALTH

285.201 **15 credits** S1 DL PN
Understanding Plant Protection S1 I PN
 The importance of diseases, pests and weeds to horticultural, SS DL PN agricultural and forestry production, trade, gardening and conservation is outlined. The paper introduces the biology of these organisms and gives an understanding of their management and control. An introduction to strategies available for chemical, non-chemical and integrated control methods is included together with examples. A course of practical work.

285.301 **15 credits** S2 DL PN
Controlling Plant Pests and Diseases S2 I PN
 Aspects of plant pest and pathogen biology will be studied to help understand how to obtain efficient and effective control. The full range of control techniques, both chemical and non-chemical, will be discussed. Students will learn about pests and diseases in their specific area of interest in agriculture, horticulture, forestry or conservation, be shown how to diagnose problems, and obtain experience in managing an integrated pest and disease control program in a simulated crop.

285.711 **30 credits** DS DL PN
Integrated Pest Management DS I PN
 Integrated management of arthropod pests, including recent developments of philosophy and principles; biological control by natural enemies, biopesticides, biotechnology and cultural practices; use of pesticides and pesticide resistance management; host plant resistance; use of pheromones; extension and implementation of integrated pest management.

285.742 **30 credits** DS I PN
Advanced Plant Protection
 Selected topics in Plant Protection including representative types of pathogens, fungicide resistance, biological control agents for disease, host resistance mechanisms, weed control, herbicide activity, and principles and methods of integrated management of arthropod (insect and mite) pests.

286

AGRISCIENCE

286.101 **15 credits** DS DL PN
Equine Production S2 I PN
 A study of equine production in New Zealand, and in other countries with major equine populations. Using the different equine production systems as examples, the processes from birth to intended use are compared. The effects of various industries' controls and regulations on owners, trainers and administrators are considered.

EQUINE

286.131 **15 credits** S1 I PN
Introduction to Equine Nutrition and Health
 An introductory course on principles and knowledge relevant to equine nutrition, behaviour and to selected disease management.

286.211 **15 credits** S2 I PN
Equine Reproduction and Breeding
 Aspects of stud management, reproductive anatomy and physiology, and factors that affect breeding management, fertility and conception, the onset of puberty, breeding season, fertility and conception, and parturition. Common health problems and applied nutrition of the foal, mare and stallion.

286.221 **15 credits** S1 I PN
Structure and Function of the Equine Athlete
 Anatomy and physiology of the respiratory, cardiovascular and musculoskeletal systems of the horse; methods of assessment of these systems; alterations in normal function and the means to treat or manage these alterations.

286.222 **15 credits** S1 DL PN
The Equine Lower Limb S1 I PN
 Introduction and exploration of the basic and unique aspects of the tissues of the foot and lower limb of the horse. The emphasis is placed on the structure and functions of the moving parts of the lower limb, how alterations in the functioning of the limb can lead to changes in the horse's gait, and how corrective measures can be rationally proposed.

286.251 **15 credits** S1 I PN
Equine Behaviour, Training and Welfare
 The paper will describe the ethology of the horse. Particular emphasis will be placed on understanding the theory of learning and how it underpins basic training and training for the different disciplines. It will describe the welfare of horses associated with different equine management systems both in New Zealand and overseas. The legislation which protects horses will be described.

286.321 **15 credits** S2 I PN
Responses to Training in the Equine Athlete
 As the equine athlete is trained changes occur in the cardiovascular, respiratory and musculoskeletal systems. The basic and applied aspects, and the detection of changes, will be discussed, in the context of training regimens for different equine activities.

286.701 **15 credits** DS I PN
Advanced Equine Production
 An advanced course in the principles and practises of equine production. Emphasis will be placed on examining current industry practises relating to growth and development, health and injury, and industry organisation.

286.711 **15 credits** DS I PN
Equine Science
 Advanced studies of aspects of equine nutrition and reproduction. Students will be familiar with the principles of animal nutrition, metabolism and reproduction in other mammalian species, but will need to relate these to the horse by obtaining their own evidence from the literature and applying it to in-depth studies of selected aspects of nutrition and reproduction.

287

INDUSTRIAL INNOVATION

287.320 **15 credits** S2 I AL
Product Design S2 I PN
 A study of the aesthetic and user-interface aspects of products focusing on the relationship of these aspects to engineering design. Key design techniques are introduced and practised through a series of activities based on a range of product applications.

287.341 **15 credits** S2 DL PN
Quality Systems Design
 The principles of quality systems including total quality management ISO system standards, Baldrige awards, organisational culture, the management of change and continuous improvement and workforce empowerment. Tools and principles for quality management such as quality function deployment, statistical process control and process capability analysis. An introduction to technological systems and the role of the technologist as a change agent and manager in such systems.

PRODUCTION TECHNOLOGY

287.342 **15 credits** S1 DL PN
Agile Manufacturing S1 I AL
 Agile Manufacturing is the capability of surviving and prospering in a competitive environment by reacting quickly and effectively to changing markets, technologies and business relationships. This paper explores how a company can become Agile through improving product development, technologies, production systems, information and people management within its organisation and developing appropriate strategies with its supply chain.

INDUSTRIAL INNOVATION

287.343 **15 credits** * * *
Creating Product Flow
 Ensuring products flow through a system is important as organisations seek to improve customer service and reduce costs. This paper provides fundamental techniques that can optimize the steps that transform raw materials into products. Techniques introduced are facility design, cellular manufacture, changeover reduction, 5S, inventory management, resource planning and standardised work. The skills learnt could be applied in manufacturing, a supply chain or any service business.

287.400 **15 credits** * * *
Product Design II
 This paper focuses on advanced product design methods and practices, and introduces ergonomics and user-centered design. It also examines the engineering designer's role in relation to allied professions in the new product development process, including the industrial designer, visual communication designer and marketing specialists.

287.455 **15 credits** * * *
Advanced Industrial Management Practices
 This paper covers the development of professional skills essential for management roles in industrial businesses, e.g. in manufacturing, food and beverage, etc. It involves developing skills such as: managing conflict and change, building teams and setting goals; through the study of World Class manufacturing practices. This is achieved through case studies and relates to real-life scenarios through self-reflection. It also develops a defined career plan to attain management level positions in industry.

287.463 **15 credits** * * *
Advanced Manufacturing Strategies I
 Advanced studies of manufacturing and technological systems and the role of the technologist as a change agent and manager. Problem-solving skills, the Goldratt Thinking Processes, advanced scheduling concepts, technological issues in manufacturing. Emphasises the needs of technology managers, including the development of professional skills and thinking processes. Significant components of case study, computer simulation laboratories, computer applications, group work.

287.464 **15 credits** * * *
Advanced Manufacturing Strategies II
 Strategies and techniques for establishing new manufacturing initiatives in New Zealand. Topics include new products, new technologies, new manufacturing facilities, etc. A practical course requiring students to plan, from scratch, all the

procurement and manufacturing activities, plant and equipment, etc. required to establish the product in the market.

287.701 30 credits * * *

Product Development Process

The stages of the product development process. A study of the techniques used in the product development; in particular, the techniques and research related to the consumer in product development - project planning, brief definition, idea generation and screening, concept design development, consumer evaluation, testing and marketing of products.

287.703 30 credits * * *

Product Development Management

New product development management, design management and project management techniques utilised by major international groups. Examination of case studies on product development techniques used by small and medium-sized enterprises in New Zealand. Comparisons between New Zealand industry practices in product development and international best practices.

287.706 15 credits S2 I AL

New Product Development S2 I PN

An advanced study of new product development principles and best practices that combined, provide structure and discipline for bringing successful new products and services to market. An analysis of company strategy and portfolio management, product development processes, research for product development decision making, resources and performance evaluation.

287.721 30 credits * * *

Rapid Response Manufacturing Systems

This paper will explore the conditions necessary to convert supply chains which contain manufacturing elements into agile/rapidly responsive value streams. Aspects of Theory of Constraints, LEAN, ERP, Advanced Planning and Scheduling and Measurement systems will be covered. Project Management methods to enhance speed-to-market will also be included.

287.722 15 credits * * *

Creating Viable Manufacturing Visions

An examination of how operational excellence be exploited to ensure enterprise growth and sustainable success.

287.723 30 credits * * *

Advanced Value Chain Improvement Project

Application of the Theory of Constraints Thinking Processes to an in-house improvement project. Advanced topics on Manufacturing Strategy.

287.730 30 credits DS DL PN

Quality Management

The objectives of this paper are to explore the development of modern quality management models; position quality management in relation to management, leadership and organisational systems theory; examine concepts of quality assurance and the use of ISO system standards, systems, and techniques and statistical thinking for quality.

287.731 30 credits DS DL PN

Statistical Methods for Quality

This paper provides a detailed study of the concept of statistical thinking and its role within quality management and the continuous improvement of processes. The paper introduces statistical techniques used within such problem-solving and process improvement methodologies as the PDCA cycle and the DMAIC methodology used within the Six Sigma improvement strategy.

287.732 30 credits DS DL PN

Quality Assurance Project

A practical application of quality management principles and techniques to an organisational situation, incorporating planning, undertaking and reporting of a substantial project. The paper also encourages critical review and reflection on the selected project.

287.733 30 credits DS DL PN

Quality Management for Medical Laboratories

Principles of quality management using a management systems approach. Total quality and continuous improvements as they relate to the delivery of services. Application of the New Zealand Code of Good Practice and other documents relevant to the operation of medical laboratories, with particular emphasis on the validation of test methods, calibration and an understanding of repeatability and reproducibility. Quality systems management in the medical laboratory with particular reference to specific codes of good practice related to Medical Laboratory Science. The above topics will be set in the context of the basic principles of quality management.

287.735 15 credits S1 DL PN

Quality Improvement

Concepts of and the major approaches to quality improvement. The full range of quality improvement methodologies, tools and techniques as well as team-based problem-solving methods.

287.736 15 credits S2 DL PN

Service Quality

The concept of service quality and the definition of customer models for evaluating the service function, using customer data for improvement, and the design and management of a service function.

287.737 15 credits S2 DL PN

Quality and People

Industrial management theory and industrial engineering techniques in production environments and an appreciation of the human factors and management technologies that underpin the techniques.

287.738 15 credits S1 DL PN

Quality and Production

Interrelationship of the production function and product quality requirements. Contemporary practices and techniques to maintain and improve product quality through design, planning, manufacturing and related operations.

287.740 15 credits S2 DL PN

Innovation Management S2 I AL

An advanced course of study of product development management practices including new product strategy, portfolio management, organisational management and performance measurement. Investigation of current literature and industry practice, applied to companies of different sizes and types.

287.741 15 credits * * *

Quality System Development and Management

All organisations require to effectively manage the quality of their goods and services, and that of the processes and systems that produce or deliver them. This paper introduces the key principles of quality systems and their control and management. This includes core definitions, key theorists, relevant standards, documentation requirements, and associated tools, methods and principles for managing and controlling quality.

287.742 15 credits * * *

Business Process Improvement

In order to remain competitive all organisations need to continually improve their processes. Major approaches to business process improvement include business process re-engineering, benchmarking, business excellence and six sigma (DMAIC). This paper introduces the student to the major tools, techniques and strategic approaches to process improvement, applicable within any type of industry or organisation.

287.743 15 credits * * *

Lean Operations

A Lean organisation is based upon the principles of creating customer value and minimising waste. This paper reviews theory and techniques required to analyse operational performance and to design improved methods. It also considers the various approaches to implement a Lean transformation. The skills learnt could be applied in manufacturing, a supply chain or any service business.

287.744 15 credits * * *

Advanced Manufacturing Strategies

Advanced studies of manufacturing and technological systems and the role of the technologist as a change agent and manager. Problem-solving skills, the Goldratt Thinking Processes, advanced scheduling concepts. Emphasizes the needs of technology managers, including the development of professional skills and thinking processes applied to improvement of systems. Significant components of case study, computer simulation laboratories, computer applications, group work.

287.886 45 credits DS DL PN

Thesis 90 Credit Part 1

A supervised and guided independent study resulting in a published work.

287.887 45 credits DS DL PN

Thesis 90 Credit Part 2

A supervised and guided independent study resulting in a published work.

287.888 90 credits DS DL PN

Thesis

A supervised and guided independent study resulting in a published work.

287.897 60 credits DS DL PN

Thesis 120 Credit Part 1

A supervised and guided independent study resulting in a published work.

287.898 60 credits DS DL PN

Thesis 120 Credit Part 2

A supervised and guided independent study resulting in a published work.

287.899 120 credits DS DL PN

Thesis

A supervised and guided independent study resulting in a published work.

289

CREATIVE MEDIA PRODUCTION

289.101 **15 credits** S1 | WL
Introduction to Web and Mobile Media

In this paper students will be introduced to industry standard web and mobile media platforms and authoring tools. Students will gain a creative and technical knowledge and understanding of media concepts and production processes essential for the production of interactive media on multiple platforms.

289.102 **15 credits** S1 | WL
Visualisation for Media Production

In this studio paper students develop visualisation and rendering techniques to enable them to give visual form to abstract ideas and concepts. These visualisations will be applied to a range of formats including storyboarding, concept visualisation and character development.

289.103 **15 credits** S1 | WL
Introduction to Computer Animation

In this paper students will be introduced to industry standard digital tools for 2D and 3D computer animation. Students will gain a creative and technical knowledge and understanding of character, movement and rendering processes essential for the production of computer animation.

289.104 **15 credits** S1 | WL
Introduction to Visual Effects and Motion Graphics

In this studio paper students will develop and apply techniques of digital special effects and motion graphic effects. Students will acquire fundamental skills with effects such as dynamics, particles, fluids, light and rendering, and apply these to a range of example production situations.

289.105 **15 credits** S2 | WL
Introduction to Digital Video Production

In this paper students will be introduced to industry standard digital video production tools and environments. Students will gain a creative and technical knowledge and understanding of camera, lighting, editing and post-production processes essential for the creation of moving image formats.

289.106 **15 credits** S2 | WL
Introduction to Game Technologies and Mechanics

In this paper students will be introduced to industry standard digital tools for games. Students will gain a basic creative and technical knowledge and understanding of game mechanics, concepts and production processes essential for the production of games platforms.

289.107 **15 credits** S2 | WL
Introduction to Audio Production and Sound Design

In this paper students will be introduced to industry standard digital audio production tools and environments. Students will gain a creative and technical knowledge and understanding of sound design concepts and audio production processes essential for the production of sound and music for multiple media and platforms.

289.108 **15 credits** S2 | WL
Introduction to Animatronics and Modelling

In this paper students will be introduced to basic electronics and animatronics modelling. Students will gain a creative and technical knowledge and understanding of animatronics and modelling and physical computing required for the production of computer-controlled objects and physical effects.

289.201 **30 credits** * * *
Cross-Media Production

In this paper students will choose two production subjects gaining expertise in interdisciplinary processes and develop cross-media competences. While furthering technical knowledge students will examine forms critically with appropriate reference to social and cultural values and diversities applying aesthetic and narrative processes and forms through the production of short creative projects.

289.202 **15 credits** * * *
Media Innovation and Creativity

In this paper students will gain an understanding of how formats have been disrupted by digital technology, challenging old models and creating new opportunities. Students will then explore applied research and innovation techniques used for developing and assessing the social, cultural and commercial viability of cross-media proposals.

289.203 **30 credits** * * *
Production Development

In this paper students will be required to work productively in vertically streamed trans-disciplinary teams with level 300 students. Students will be required to take on assistant production roles that support various scheduled production and post-production tasks.

289.301 **15 credits** * * *

Portfolio and Dissemination

In this paper students will prepare for progression to postgraduate study or transition to industry in the development of an online portfolio managing processes advantageous to their graduate progression and future networks. Students will also develop creative and organisational approaches to devising a range of events such as exhibitions, screenings and performances and gain a critical understanding of audience, site, experience, live-ness, and spectacle.

289.302 **15 credits** * * *

Major Project Innovation Lab

In this paper students will apply research, ideation and value proposition methodologies with a view to developing content solutions in response to cross-media industry briefs. Students will be required to prepare presentations using appropriate audio-visual media in the form of a professional pitch to the client.

289.303 **15 credits** * * *

Major Project Pre-production

In this paper students will be supported in producing a group pre-production document detailing the planning and resourcing requirements for Major Project Production and Post-production studio papers. Students will be required to work effectively as a team and communicate professionally at all times agreeing scope and schedules of work with clients.

289.304 **15 credits** * * *

Major Project Production

In this studio paper students will be required to work creatively and professionally in cross media teams leading in the process of producing assets responding to industry briefs developed in the Major Project Innovation Lab and Preproduction papers. Students will again be required to communicate with the client and manage and meet deadlines according to schedules and budgets.

289.305 **30 credits** * * *

Major Project Postproduction

In this studio paper students will demonstrate their ability to put into practice postproduction skills and knowledge learned throughout the degree. Students will be required to work creatively and professionally in interdisciplinary post-production teams and deliver finished works and assets as agreed with the client for final signoff.

290

RETAIL

290.101 **0 credits** S2 DL AL
Retail Practice Internship SS | AL

The internship will provide an overview of product and service delivery to customers in the retail environment. The internship will focus on a chosen retail industry and contrast the differences between competing retailers of varying sizes and retail models.

290.102 **15 credits** S1 DL AL
Fundamentals of Retailing S1 | AL

Components of a successful and viable retail business are explored with an introduction to the fundamental concepts and principles of retailing from local and international viewpoints.

290.201 **15 credits** * * *

Retail Knowledge Internship

The internship provides the participant with a practical understanding of the components of a retail operation from buying (supply end) to delivery (customer end). The internship will focus on a chosen industry in retail and examine the differences in the components of a retail operation between retailers of different sizes and retail models, both domestically and internationally. The internship will examine the relationships between sourcing, supplying and servicing customers through retail environments.

290.202 **15 credits** * * *

Retail Operations

Running a retail store effectively requires balancing a wide range of operational duties. This paper explores the functions that occur within a retail store (physical and virtual), and how they are integrated to deliver the retailer's business proposition to satisfy customer needs and wants.

290.203 **15 credits** * * *

Retail Buying and Planning

A study of the theory and practice of effective product buying from suppliers, and the planning of product range construction and execution of merchandising the range to the customer in the retail environment. The paper critically evaluates models of retail buying, category management and product range planning and explores their impact in both traditional retail and e-commerce contexts.

290.204 **15 credits** * * *
Store Design and Visual Merchandising
 This paper examines the 'path to purchase' that customers undertake when navigating physical or virtual store environments. It explores the theory and practices used to design retail premises to maximise sales and return on investment, and considers how merchandise is ranged and displayed 'in-store' to deliver on retail metrics.

290.301 **30 credits** * * *
Retail Experience Internship
 This capstone internship involves extensive work within a retail business to analyse and critique current practices against retail and business theories and international best practice.

290.302 **15 credits** * * *
Retail Strategy and Business Planning
 A study of the strategic planning frameworks and models used by retail businesses to construct strategies to ensure business viability. This paper evaluates historical practices of strategy formation as well as how changes in the modern marketplace are affecting retail strategy.

501

AGRICULTURE / HORTICULTURE PLANTS

501.300 **5 credits** * * *
Professional Development in Seed Science and Technology
 The principles of seed technology and their potential influence on the quality of seed. How the seed functions and how this relates to maintenance or loss of seed quality. Seed quality verification. Biosecurity issues surrounding seed.

503

INDUSTRIAL INNOVATION

503.720 **5 credits** * * *
Product Development Strategy and Portfolio Management
 An analysis of new product development principles and best practices in the areas of company strategy, and portfolio management. These are important components to a structured and disciplined approach for bringing successful new products and services to market.

503.721 **5 credits** * * *
Product Development Process and Market Research
 An analysis of new product development principles and best practices in the Product Development process. Market research for decision making, as a structured and disciplined approach for bringing successful new products and services to market.

503.722 **5 credits** S2 B2 PN
Product Development Resources and Performance Evaluation
 An analysis of new product development principles and best practices in the organisation of resources and performance evaluation. These are important component to a structured and disciplined approach for bringing successful new products and services to market.

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