CANINE AND FELINE ORTHOPEDIC SURGERY

LECTURER: Andrew Worth, BVSc, MANZCS(Radiology), PGDipVCS, FANZCVS(Small Animal Surgery) NZ Registered Specialist in Small Animal Surgery

- Graduated from Massey University in 1991 worked in general and Ophthalmologic practice in Palmerston North, where he stayed for six years.
- Developed an interest in, and did membership in, veterinary radiology. In 2000 he undertook a residency in small animal surgery at Massey. In 2006 became a fellow of the Australian and New Zealand College of Veterinary Scientists.
- Current Senior Lecturer and Registered Specialist in Small Animal Surgery at the Massey University Veterinary Teaching Hospital, convenor for the NVZA Hip and Elbow Dysplasia Panels and co-Director of the Centre for Working and Service Dog Health.
- Enjoys his varied roles as teacher, researcher and referral surgeon, with current interests in; working dog orthopaedic disease, lumbosacral degeneration, biomaterials for surgery, minimally invasive and advanced surgical technologies.

On this course you will learn how to:

- Use the results of diagnostic evaluations including examination and radiography to accurately identify and differentiate common orthopedic diseases in dogs and cats.
- Apply the principles of orthopaedic surgery, including current thinking regarding the pathophysiology of disease, diagnosis and treatment, to discuss diagnosis and management and prognosis of common canine and feline orthopedic diseases.
- Collate and present clinical information, locate relevant literature, critically review and synthesise its contents to inform clinical practice and effectively communicate your findings to others.
- Make sound clinical judgements based on best evidence.

An innovative mix of print and online tools including case material will help you maximise your learning, alongside class discussion forums to encourage discussion among classmates and instructors.

Whether you want to work towards a qualification or simply complete individual courses, the flexibility of Massey University’s distance learning courses help take your practice to the next level, in your own time.

Course number
118.763

Credits
15 credit paper in the Master of Veterinary Medicine programme

Course features
In-depth part-time study spread over 8 months

Learning materials and facilities
- Study guide
- Self-assessed activities
- Electronic library access
- 4 day workshop: face-to-face with some lecture sessions streamed online

Learning community
- Online case discussion facilitated
- Social forum

Assessment
- Online assessment
- 2 written assignments
- Final exam at a centre near you

Course requirements
- Internet access
- Textbook

Cost in your currency
- Australian dollars approx $4635*
- UK pounds approx £3020*
- Canadian dollars approx $4799*
- US dollars approx $4787*

* Please note, all prices are approximate based on recent exchange rates and are quoted excluding Goods and Services Tax which is refunded to students living offshore. Additional non-tuition fees also apply which vary from NZD$364-400 depending on where you live.

Revised March 2013
CANINE AND FELINE ORTHOPEDIC SURGERY

Welcome to the MVM course in Canine and Feline Orthopaedic Surgery 118.763

Orthopaedic disease is common amongst our small animal patients. Yet in an undergraduate program there is not enough time to teach orthopaedic surgical skills nor to deal with controversies and new surgical concepts in detail. This course will provide an in-depth but practical basis from which to improve your knowledge and skill set of veterinary orthopaedics.

The course will cover the principles of fracture repair and the diagnosis and treatment of common orthopaedic diseases. Having spent nine years in primary clinical practice prior to residency training, I hope I can provide a pragmatic approach that will serve you well in your own practice.

The first half of the course will focus on concepts of fracture biomechanics and treatment. We will discuss a range of fracture repair modalities, their biological and biomechanical rationale, indications and techniques of application. In the second half of the course we will focus on the most common orthopaedic conditions seen in clinical practice. This course is not designed to encompass all the known orthopaedic diseases of dogs and cats. Rather it aims to provide an in-depth look at the common diseases.

Andrew Worth

OVERVIEW OF THE COURSE

Students will build on knowledge obtained in the BVSc (or equivalent) to gain advanced knowledge in the field of canine and feline orthopaedic surgery.

Topics covered

Module 1: Musculoskeletal system assessment and lameness
Module 2: Fracture management
Module 3: Principles of joint surgery
Module 4: Atraumatic joint disease
Module 5: Pediatric fracture management
Module 6: Traumatic joint disease
Module 7: Inflammatory bone and joint disease
Module 8: Osteoarthritis
LEARNING MATERIALS

There are several different forms of self-study material you need to use for this paper. Each is explained in more detail in this administration guide.

Administration guide
Administrative information, information about assessments and how the course works.

Study guide
Guide to your study, explains what to read at which points in the course and how to do the course activities.

Textbook
The textbook is your main reading for this paper. You may wish to purchase a personal copy of this textbook but while you are enrolled as a Massey student it is available online via the Library.

Saunders/ Elsevier, St. Louis, Missouri.

Stream class website
Online classroom for interactions with the rest of the class and provision of electronic learning materials.

Other Stream websites
The MVM programme Stream site has programme information such as information about dissertations and examination results.
The Orientation Course Stream site has information about studying MVM papers and how to work Stream.

Contact course
An optional 4 days of face-to-face teaching

Assessments
One online test, 2 written assignments and a paper-based exam at a centre near you.