

Course Handout

Paper Number & Title: 159.732 Studies in Computer Programming
Points Value: 15
Campus: AL

Semester: 2
Mode: I

Paper Co-ordinator: Dr Daniel Playne, INMS, Albany, IIMS 3.02, ext 43136,
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Tutor: None

During lectures we will cover some up-to-date concepts and technologies in modern programming languages and will cover some performance implications and good design for reusable, efficient software. The paper will also review some important algorithms and how they can be implemented in appropriate languages.

Learning Outcomes:

Compare and discuss programming languages and identify which languages are best for different tasks. Design and construct software simulations in appropriate languages. Express algorithms in different languages.

Assessment:	Due	Marks
Assignment 1	Wk 7	<u>10%</u>
Assignment 2	Wk 7	<u>20%</u>
Assignment 3	Wk 12	<u>30%</u>
Project	Wk 12	<u>40%</u>

Lecture Timetable: Semester 2, 2014
Tuesday 12:00-2:00 (IIMS LAB3)

Requirements to complete the paper:

No "terms" requirement.

Conditions for Aegrotat Pass and Impaired Performance:

See University guidelines.

Proposed Feedback and Support for Student Learning:

Assignments marked and returned.

Access to teaching staff during office hours.

Recommended Reading:

Lecture Notes & course information are available on the Stream site.

Software: GCC/G++ Compiler, Java

Grievance Procedures: See University Guidelines.