



The University of Southern Queensland

Course Specification

Description: Mathematics Honours Project A

Subject	Cat-Nbr	Class	Term	Mode	Units	Campus
MAT	4100	20368	1, 2003	ONC	2.00	TWMBBA

Academic Group:	FOSCI
Academic Org:	FOS003
HECS Band:	2
ASCED Code:	010101

STAFFING

Examiner: Peter Dunn
Moderator: Chris Harman

RATIONALE

An in-depth project and dissertation are necessary to prepare graduates for further research and responsible jobs in mathematics and its applications. This course in conjunction with MAT4101 Mathematics Honours Project B, enables students to develop research capability and an advanced level of mathematical or statistical skills for that purpose.

SYNOPSIS

This course forms the first half of the research training component of the Mathematics Honours programme. It develops the foundation for ultimately completing a selected project in applied mathematics or statistics with supervision by appropriate staff from the Department of Mathematics and Computing. The project will consist of review and research into a well defined area of mathematics and its application. Information and ideas will be gathered, organised and analysed in a critical and evaluative manner. The topic of the project and report will be selected in consultation with the staff of the Department.

OBJECTIVES

On successful completion of this course students will be able to:

- demonstrate the ability to conduct a research literature survey in mathematics;
- demonstrate the ability to plan a suitable and approved research investigation topic;
- demonstrate the ability to develop higher level mathematical or statistical skills which include the analysis, synthesis and evaluation of factors involved in the project.

TOPICS

Description	Weighting (%)
1. Candidates will prepare a project topic in consultation with appropriate Mathematics staff.	100.00

TEXT and MATERIALS required to be PURCHASED or ACCESSED:

Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at <http://bookshop.usq.edu.au> by entering the author or title of the text.

To be advised depending on the research project.

REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Appropriate material from: - books, monographs, journals and conference proceedings, computer software and material from electronic sources.

STUDENT WORKLOAD REQUIREMENTS

ACTIVITY	HOURS
Project Work	310
Supervisor Consultation	30

ASSESSMENT DETAILS

Description	Marks Out of	Wtg(%)	Required	Due Date
LITERATURE SURVEY	1.00	0.00	Y	04 Mar 2003 (see note)
SEMINAR	1.00	0.00	Y	04 Mar 2003 (see note)
PRELIMINARY PROJECT REPORT	1.00	0.00	Y	04 Mar 2003 (see note)

NOTES:

- . The examiner will advise dates.
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IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:

There are no attendance requirements for this course. However, it is the students' responsibility to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.

- 2 Requirements for students to complete each assessment item satisfactorily:
Not applicable.
- 3 Penalties for late submission of required work:
Not applicable.
- 4 Requirements for student to be awarded a passing grade in the course:
Students will be graded IIP if they gain the three marks for the assessment items. Students who do not get a grade of IIP, will be interviewed by the Honours Coordinator and the Examiner to determine whether or not they should be allowed to continue in the Honours program.
- 5 Method used to combine assessment results to attain final grade:
Not applicable.
- 6 Examination information:
There is no examination in this course.
- 7 Examination period when Deferred/Supplementary examinations will be held:
There will be no Deferred or Supplementary examinations in this course.
- 8 University Regulations:
Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL <http://www.usq.edu.au/SECARIAT/calendar/Part5/> or in the printed version of the current USQ Handbook.