MAST90046 Research Project

Credit Points:	37.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss this with their supervisor but as a guide, a student enrolled in a 50 point research project subject would be expected to be engaged in their research for an average of forty hours per week or 800 hours for the semester. Students enrolled in a 37.5, 25 or 12.5 point research subject would be expected to be engaged in their research on a pro-rata basis.
Prerequisites:	Students must satisfy the requirements for entry into the Master of Science (Mathematics and Statistics program).
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Assoc Prof Jan De Gier
Contact:	Dr Paul Norbury Email: **norbury@unimelb.edu.au (mailto:norbury@unimelb.edu.au)**
Subject Overview:	In this subject, students undertake a substantial research program in the area of Mathematics and Statistics. The research will be conducted under the supervision of a member of the Department's academic staff. A list of the research interests of the Department of Mathematics and Statistics is outlined on the website of the Department. The results will be reported in the form of a thesis and an oral presentation.
Objectives:	After completing this subject students should have: # discovered the challenge of research in Mathematics and Statistics; # a deeper knowledge of Mathematics and Statistics; # completed a substantial piece of research; and # a sound preparation for future research in Mathematics or Statistics.
Assessment:	The assessment requirements below are applicable to the entire 50 point Research Project. A thesis (100%) is the main requirement. However, in addition students must, as a hurdle requirement, complete a 30 minute oral presentation on the work in the thesis. Theses are expected to be 60-80 pages in length, excluding references, appendices, figures and tables.
Prescribed Texts:	None

Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Upon completion of this subject, students should gain the following generic skills: # problem-solving skills including the ability to engage with unfamiliar problems, identify relevant solution strategies and conduct research; # analytical skills through the ability to construct and express logical arguments and to work in abstract or general terms to increase the clarity and efficiency of analysis; # presentation skills, both written and oral; and # time management skills: the ability to meet regular deadlines while balancing competing commitments.
Notes:	Students will need to use a document preparation program such as LaTeX.
Related Course(s):	Master of Science (Mathematics and Statistics)