

## MAST90048 Research Project

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: An overall time commitment of 400 hours is expected over a two year full-time program comprising an average of about eight hours per week during teaching periods. Total Time Commitment: Not available
<b>Prerequisites:</b>	Students must satisfy the requirements for entry into the Master of Science (Mathematics and Statistics program).
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	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.
<b>Contact:</b>	Dr Paul Norbury
<b>Subject Overview:</b>	<p>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.</p> <p>Students enrolled in the Master of Science (Mathematics and Statistics program) are required to complete a 50 point Research Project. Students may enrol in one or more Research Project subjects as indicated below to ensure they have completed a total of 50 points by the end of their course.</p> <ul style="list-style-type: none"> <li># 620-649 Research Project - 50 points</li> <li># 620-650 Research Project - 37.5 points</li> <li># 620-651 Research Project - 25.0 points</li> <li># 620-652 Research Project - 12.5 points</li> </ul>
<b>Objectives:</b>	<p>After completing this subject students should have:</p> <ul style="list-style-type: none"> <li># discovered the challenge of research in Mathematics and Statistics;</li> <li># a deeper knowledge of Mathematics and Statistics;</li> <li># completed a substantial piece of research; and</li> <li># a sound preparation for future research in Mathematics or Statistics.</li> </ul>
<b>Assessment:</b>	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.
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.

<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	Upon completion of this subject, students should gain the following generic skills: <ul style="list-style-type: none"><li># problem-solving skills including the ability to engage with unfamiliar problems, identify relevant solution strategies and conduct research;</li><li># 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;</li><li># presentation skills, both written and oral; and</li><li># time management skills: the ability to meet regular deadlines while balancing competing commitments.</li></ul>
<b>Notes:</b>	Students will need to use a document preparation program such as LaTeX.
<b>Related Course(s):</b>	Master of Science (Mathematics and Statistics)