

Statistics / Stochastic Processes

Year and Campus:	2013																		
Coordinator:	Dr Lawrence Reeves																		
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Overview:	The Graduate Certificate allows students who have completed an undergraduate degree to refocus or expand their body of knowledge by completing the requirement of one of the undergraduate majors (or equivalent) in the Bachelor of Science not already completed. The Graduate Certificate provides a pathway to the Master of Science Streams.																		
Objectives:	<p>Students who complete the Graduate Certificate should:</p> <ul style="list-style-type: none"> # Demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; # Apply critical and analytical skills and methods to the identification and resolution of problems; # Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; # Communicate effectively; # Commit to continuous learning; # Be proficient in the use of appropriate modern technologies, such as the computer and other information. 																		
Structure & Available Subjects:	Completion of 50 points of study at Level 3.																		
Subject Options:	<p>Subject prerequisites: both of MAST20005 Statistics and MAST200026 Real Analysis plus one of MAST20004 Probability or MAST20006 Probability for Statistics, or equivalents.</p> <p>-</p> <p>Both of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST30025 Linear Statistical Models</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>MAST30001 Stochastic Modelling</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus at least one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST30020 Probability and Statistical Inference</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MAST30027 Modern Applied Statistics</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus (if required as a fourth subject) any other third year level subject offered by the Department of Mathematics and Statistics.</p>	Subject	Study Period Commencement:	Credit Points:	MAST30025 Linear Statistical Models	Not offered 2013	12.50	MAST30001 Stochastic Modelling	Not offered 2013	12.50	Subject	Study Period Commencement:	Credit Points:	MAST30020 Probability and Statistical Inference	Semester 1	12.50	MAST30027 Modern Applied Statistics	Not offered 2013	12.50
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Links to further information:	http://graduate.science.unimelb.edu.au
Related Course(s):	Graduate Certificate in Science