

Pure Mathematics

Year and Campus:	2014												
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.												
Learning Outcomes:	<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: all three of MAST20009 Vector Calculus and MAST20022 Group Theory and Linear Algebra and MAST20026 Real Analysis, or equivalents.</p> <p>All three of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST30021 Complex Analysis</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>MAST30026 Metric and Hilbert Spaces</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>MAST30005 Algebra</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus any other third year level subject offered by the Department of Mathematics and Statistics.</p>	Subject	Study Period Commencement:	Credit Points:	MAST30021 Complex Analysis	Semester 1, Semester 2	12.50	MAST30026 Metric and Hilbert Spaces	Semester 2	12.50	MAST30005 Algebra	Semester 1	12.50
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Links to further information:	http://graduate.science.unimelb.edu.au												
Related Course(s):	Graduate Certificate in Science												