**Applied Mathematics** 

Year and Campus:	2015			
Coordinator:	Dr Lawrence Reeves			
Contact:	Melbourne Graduate School of Science Faculty of Science The University of Melbourne Victoria 3010			
	Tel: + 61 3 8344 6128 Fax: +61 3 8344 3351			
	Web: http://graduate.science.unimelb.edu.au/ (http://graduate.science.unimelb.edu.au/)			
Overview:	The Graduate Certificate allows students who have cor to refocus or expand their body of knowledge by compl undergraduate majors (or equivalent) in the Bachelor o Graduate Certificate provides a pathway to the Master	eting the requirement of one f Science not already comple	of the	
Learning Outcomes:	Students who complete the Graduate Certificate should:			
	# 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:	Subject prerequisites: all three of MAST20009 Vector Calculus and MAST20026 Real Analysis and MAST20030 Differential Equations plus one of MAST20004 Probability or MAST20006 Probability for Statistics, or equivalents.  Level 3			
	Both of:			
	Subject	Study Period Commencement:	Credit Points:	
	MAST30021 Complex Analysis	Semester 1, Semester 2	12.50	
	MAST30028 Numerical and Symbolic Mathematics	Semester 2	12.50	
	Plus at least one of:		1	
	Subject	Study Period Commencement:	Credit Points:	
	MAST30001 Stochastic Modelling	Semester 2	12.50	
	MAST30030 Applied Mathematical Modelling	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

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