

# PC-MATH12 Postgraduate Certificate in Mathematics Teaching (Years 11-12)

Year and Campus:	2014															
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>															
Level:	Graduate/Postgraduate															
Duration & Credit Points:	50 credit points taken over 12 months															
Coordinator:	Associate Professor Robyn Pierce															
Contact:	Education Student Centre 234 Queensberry Street Call: 13 MELB (13 6352)															
Course Overview:	The course aims to develop disciplinary knowledge of mathematics up to Year 12 level. Participants will master senior secondary school level mathematics content and significantly extend pedagogical understanding to teach effectively. The program consists of four compulsory subjects with a total accumulation of 50 credit points at completion. The course is targeted towards current secondary level mathematics school teachers, who at present are not qualified (with a mathematics major) to teach in the mathematics area.															
Learning Outcomes:	Students completing this course should be able to: <ul style="list-style-type: none"><li># demonstrate a good knowledge of the goals of teaching mathematics and the mathematical content expected in the school years which they are being prepared to teach;</li><li># demonstrate a good knowledge of the resources for such teaching;</li><li># understand how students of the relevant year levels learn mathematics, and understand the ways to promote their learning;</li><li># make effective use of research findings and evidence-based professional readings in addressing professional problems.</li></ul>															
Course Structure & Available Subjects:	Students complete 4 compulsory subjects.															
Subject Options:	<table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>EDUC90663 Teaching Statistics and Probability</td><td>Not offered 2014</td><td>12.50</td></tr><tr><td>EDUC90664 Effective Senior Mathematics Teaching</td><td>Not offered 2014</td><td>12.50</td></tr><tr><td>EDUC90665 Mathematics Curriculum &amp; Assessment</td><td>Not offered 2014</td><td>12.50</td></tr><tr><td>EDUC90666 Teaching Functions and Calculus</td><td>Not offered 2014</td><td>12.50</td></tr></table>	Subject	Study Period Commencement:	Credit Points:	EDUC90663 Teaching Statistics and Probability	Not offered 2014	12.50	EDUC90664 Effective Senior Mathematics Teaching	Not offered 2014	12.50	EDUC90665 Mathematics Curriculum & Assessment	Not offered 2014	12.50	EDUC90666 Teaching Functions and Calculus	Not offered 2014	12.50
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Entry Requirements:	An applicant may be eligible for entry into the Postgraduate Certificate in Mathematics Teaching (Years 11-12), if the applicant has: <ul style="list-style-type: none"><li># an undergraduate degree and a fourth-year level education qualification, or equivalent, or</li><li># a four-year education degree, or equivalent.</li></ul>															
Core Participation Requirements:	The Melbourne Graduate School of Education welcomes applications from students with disabilities. It is University and Graduate School policy to take reasonable steps to enable the participation of students with disabilities, and reasonable adjustments will be made to enhance a student's participation in the Graduate School's programs. The core participation requirements for study in the Melbourne Graduate School of Education are: In all courses The ability to comprehend complex information related to education and the disciplines in which the student is teaching. The ability to communicate clearly and independently in assessment tasks a knowledge of the content, principles and practices relating to education and other relevant disciplines. Behavioural and social attributes that enable a student to participate in a complex learning environment. Students are required to take responsibility for their own participation															

	and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. Students who feel a disability will prevent them from meeting the above academic requirements are encouraged to contact the Disability Liaison Unit.
<b>Further Study:</b>	Graduates may progress to a range of other graduate coursework programs.
<b>Links to further information:</b>	<a href="http://education.unimelb.edu.au/study_with_us/professional_development/course_list/">http://education.unimelb.edu.au/study_with_us/professional_development/course_list/</a>