

668-BB Postgraduate Certificate in Mathematics and Mathematics Education

Year and Campus:	2008									
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees									
Level:	Graduate/Postgraduate									
Duration & Credit Points:										
Contact:	Faculty of Education Student Centre									
Course Overview:	The Postgraduate Certificate in Mathematics and Mathematics Education was developed to provide tertiary studies in mathematical statistics, discrete mathematics and mathematical modeling for teachers of Years 11 and 12. The course includes a sub-major sequence in Mathematics, which fully qualifies graduates for appointment and promotion to Mathematics positions in Victorian secondary schools.									
Objectives:	The course aims to improve the quality of mathematics teaching in schools, particularly in Year 11 and 12 in the areas of mathematical statistics, discrete mathematics and mathematical modeling. On completion of the course, students should be able to: <ul style="list-style-type: none"> # demonstrate increased effectiveness in classroom teaching in Year 11 and 12 mathematics in the areas of mathematical statistics, discrete mathematics and mathematical modeling; # disseminate the new knowledge in the above areas to other teachers in their schools and foster an appropriate awareness of these areas of mathematics in other years in their schools. 									
Course Structure & Available Subjects:	Students are required to successfully complete the two 25-point compulsory subjects									
Subject Options:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>485-870 Mathematical Statistics For Teachers</td> <td>Semester 2</td> <td>25</td> </tr> <tr> <td>485-869 Discrete Maths. & Maths. Modelling</td> <td>Semester 1</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	485-870 Mathematical Statistics For Teachers	Semester 2	25	485-869 Discrete Maths. & Maths. Modelling	Semester 1	25
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Entry Requirements:	An applicant may be eligible for entry into the Postgraduate Certificate in Mathematics and Mathematics Education if the applicant has: <ul style="list-style-type: none"> # completed an approved degree, with at least a first-year subject incorporating calculus, and an approved teaching qualification; or # completed an approved four-year teaching degree with at least a first-year subject incorporating calculus; or # completed an approved equivalent qualification which is recognised by the Faculty as evidence of adequate preparation for the course and has a record of professional or teaching experience in a field and at a level acceptable to the Faculty. 									
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p> </p>									
Links to further information:	www.edfac.unimelb.edu.au									
Notes:	Both subjects within this course are offered on campus and in external (online) mode of delivery, therefore, it is possible to undertake the entire course externally. Students wishing to undertake subjects offered in external (online) mode of delivery should first check that they meet the requirements to study externally.									