

## EDUC20020 Learning Area: Mathematics 2 (Adv)

Credit Points:	12.50		
Level:	2 (Undergraduate)		
Dates & Locations:	This subject is not offered in 2013. Parkville, on-campus.		
Time Commitment:	Contact Hours: A total of 54 hours Total Time Commitment: Not available		
Prerequisites:	A minimum grade of H2A in 485-100 Learning Area: Mathematics 1		
	Subject	Study Period Commencement:	Credit Points:
	EDUC10018 Learning Area: Mathematics 1	Not offered 2013	12.50
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	None		
Core Participation Requirements:	Attendance at all classes (tutorial/seminars/practical classes/lectures/labs) is obligatory. Failure to attend 80% of classes will normally result in failure in the subject.		
Contact:	Education Student Centre		
Subject Overview:	This subject deepens students' own knowledge of mathematics from the space and measurement dimensions of VELS and functional dependence from the algebra strand, through challenging investigations. The major psychological theories of children's thinking and learning of mathematics will be studied, along with the methods by which research into this is conducted. Students will analyse teaching techniques and concrete and technological aids which develop different components of mathematical competence such as skills, concepts, practical ability and estimation. Current Victorian and national curriculum documents will be used. Students will design sequences of lessons related to selected learning outcomes.		
Objectives:	Information not available		
Assessment:	Hurdle requirement: To gain a pass in this subject, students must satisfactorily complete a compulsory test of basic mathematics competence. Two assignments equivalent in total to 2000 words, plus two 2-hour examinations (one mid-year and one end-of-year).		
Prescribed Texts:	Prescribed Texts: Teaching Primary Mathematics (G Booker et al), (3rd edn), Addison Wesley Longman, 2004 Foundations for Teaching Arithmetic (K Martson and K Stacey (eds)), Version 2 (CD-ROM). DSME: University of Melbourne		
Breadth Options:	This subject is not available as a breadth subject.		
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>		
Related Course(s):	Bachelor of Education (Primary)		