

485-204 Learning Area: Mathematics 2 (Adv)

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| Credit Points: | 12.500 |
| Level: | Undergraduate |
| Dates & Locations: | 2008, This subject commences in the following study period/s: , - Taught on campus. 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 |
| Corequisites: | None |
| Recommended Background Knowledge: | None |
| Non Allowed Subjects: | None |
| 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><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> </p> |
| Coordinator: | Helen Chick |
| Subject Overview: | <p>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.</p> |
| 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, http://enrolment.unimelb.edu.au/fees |
| Generic Skills: | Information Not Available |
| Related Course(s): | Bachelor of Education (Primary) |