

ERTH10003 Geology For Engineers

Credit Points:	12.5						
Level:	1 (Undergraduate)						
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.						
Time Commitment:	Contact Hours: 3x 1 hour lecture per week and 1x 3 hour practical per week Total Time Commitment: 170 hours						
Prerequisites:	None						
Corequisites:	None						
Recommended Background Knowledge:	None						
Non Allowed Subjects:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ERTH10002 Understanding Planet Earth</td> <td>Semester 2</td> <td>12.5</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ERTH10002 Understanding Planet Earth	Semester 2	12.5
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ERTH10002 Understanding Planet Earth	Semester 2	12.5					
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>						
Coordinator:	Assoc Prof Mark Quigley						
Contact:	Email: mark.quigley@unimelb.edu.au (mailto:mark.quigley@unimelb.edu.au)						
Subject Overview:	<p>The <i>Geology for Engineers</i> subject provides an understanding of the solid earth and the components that make up the earth's surface. Through lectures, practicals and a field trip, the subject explores topics including minerals, rock types, rock structures, geological maps, geohazards and case studies relevant to engineering applications. On completion of this subject, students should be able to identify the basic components that make up planet Earth; comprehend the diversity of the rock-forming minerals, the processes by which rocks form and evolve; the use of structural geology in interpreting the relationships between rock units in time and space; major geohazards; and the application of this knowledge to engineering problems. Taught by a geologist and engineering geologist, the subject is an interdisciplinary exploration of the solid earth with examples relevant to civil and environmental engineering applications.</p>						
Learning Outcomes:	<p>Students who successfully complete this subject will:</p> <ul style="list-style-type: none"> # Understand the major components that make up the Earth's surface; # Identify, synthesize and analyse information to interpret solid Earth materials and processes; # Demonstrate the ability to confront and solve unfamiliar problems; # Develop important academic and life skills such as the ability to communicate effectively in both written work and practicals, organisation (including timely submission of work) and collaboration in the classroom. 						
Assessment:	Assessment of practical exercises completed during the practical classes (fortnightly, 15%) 2-hour practical examination in the last week of the teaching period (30%) Completion of a						

	short field trip worksheet, 200 words (5%) A final theory exam during the end of semester examination period (50%)
Prescribed Texts:	None
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:	Students can expect to gain generic skills in: <ul style="list-style-type: none"># Written communication;# Time management and organisation;# Teamwork and collaboration;# Lateral thinking and problem solving.
Related Majors/Minors/Specialisations:	Science-credited subjects - new generation B-SCI and B-ENG.