

Geology

Year and Campus:	2015								
Coordinator:	Assoc Prof Kevin Walsh								
Contact:	<p>Melbourne Graduate School of Science Faculty of Science The University of Melbourne Victoria 3010</p> <p>Tel: + 61 3 8344 6128 Fax: +61 3 8344 3351</p> <p>Web: http://graduate.science.unimelb.edu.au/ (http://graduate.science.unimelb.edu.au/)</p>								
Overview:	<p>The Graduate Diploma allows students who have completed an undergraduate degree to re-focus or expand their body of knowledge by completing the requirement of one of the undergraduate majors (or equivalent) in the Bachelor of Science not already completed. Students will be required to have completed level 1 prerequisites.</p> <p>This provides a pathway to the Master of Science Streams.</p>								
Learning Outcomes:	<p>Students who complete the graduate diploma should:</p> <ul style="list-style-type: none"> # Demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; # Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts; # Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; # Communicate effectively; # Commit to continuous learning; # Be proficient in the use of appropriate modern technologies, such as the computer and other information technology systems, for the acquisition, processing and interpretation of data. <p>-</p> <p>Core participation requirements: Fieldwork</p> <p>The sites essential to this fieldwork are not wheelchair accessible and require students to traverse broken ground. Visual observation and interpretation of the sites is also an essential component, as is specimen and microscope work.</p>								
Structure & Available Subjects:	<p>Completion of 100 points:</p> <ul style="list-style-type: none"> # 50 points of study at Level 3; # 50 points of study at Level 2 or above. 								
Subject Options:	<p>Subject prerequisites: <i>an undergraduate degree and EARTH10002 Understanding Planet Earth, or equivalent plus one other level 1 or above subject in Geology or Chemistry, or equivalent.</i></p> <p>-</p> <p>Level 2</p> <p>Students should select 50 points of level 2 options to meet the pre-requisites for their level 3 choices.</p> <p>Both of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Subject</th> <th style="width: 20%;">Study Period Commencement:</th> <th style="width: 20%;">Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOL20002 Structural and Metamorphic Geology</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	GEOL20002 Structural and Metamorphic Geology	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:							
GEOL20002 Structural and Metamorphic Geology	Semester 1	12.50							

GEOL20004 Field Mapping and Sedimentary Geology	June	12.50
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Plus two electives selected from:

Subject	Study Period Commencement:	Credit Points:
ERTH20001 Dangerous Earth	Semester 2	12.50
GEOL20001 Geology of Southeast Australia	February	12.50

* Any level 2 or 3 GEOL or EARTH subject options for which pre-requisites have been met.

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Level 3

Both of:

Subject	Study Period Commencement:	Credit Points:
GEOL30002 Tectonics & Geodynamics	Semester 1	12.50
GEOL30003 Sedimentary Geology	Semester 2	12.50

Plus two electives selected from:

Subject	Study Period Commencement:	Credit Points:
ERTH30001 Hydrogeology/Environmental Geochemistry	Semester 1	12.50
GEOL30004 Geochemistry & Petrogenesis	Semester 1	12.50
GEOL30005 Applied Geophysics	Semester 2	12.50
GEOL30006 Economic Geology	Semester 2	12.50
GEOL30007 Geobiology and Palaeobiology	Semester 1	12.50
GEOL30009 Advanced Field Geology	July	12.50
SCIE30001 Science Research Project	Summer Term, Semester 1, Semester 2	12.50

Links to further information:

<http://graduate.science.unimelb.edu.au>

Related Course(s):

Graduate Diploma in Science