

# GEOL30009 Advanced Field Geology

<b>Credit Points:</b>	12.50
<b>Level:</b>	3 (Undergraduate)
<b>Dates &amp; Locations:</b>	<p>2010, Parkville</p> <p>This subject commences in the following study period/s: June, Parkville - Taught online/distance. Fieldwork</p>
<b>Time Commitment:</b>	Contact Hours: 12 days of fieldwork. Total contact is 72 hours Total Time Commitment: Estimated total time commitment of 120 hours
<b>Prerequisites:</b>	<p>One of</p> <ul style="list-style-type: none"> <li># <b>625-223 Field Mapping and Sedimentary Geology (/view/2010/625-223)</b></li> <li># 625-223 Earth Surface Processes (prior to 2010)</li> <li># 625-223 Field Geology (prior to 2009)</li> </ul>
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	<p>Credit cannot be gained for both this subject and either</p> <ul style="list-style-type: none"> <li># 625-311 Field Applications of Structural Geology (prior to 2004)</li> <li># 625-312 Field Geology (prior to 2004).</li> </ul>
<b>Core Participation Requirements:</b>	<p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in fieldwork activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.</p>
<b>Coordinator:</b>	Assoc Prof Malcolm Wallace, Dr Sandra McLaren
<b>Contact:</b>	<b>Email:</b> <a href="mailto:mww@unimelb.edu.au">mww@unimelb.edu.au</a> ( <a href="mailto:mww@unimelb.edu.au">mailto:mww@unimelb.edu.au</a> )
<b>Subject Overview:</b>	<p>Excursion sites that may be visited include:</p> <ul style="list-style-type: none"> <li># Flinders Ranges of South Australia where students will be introduced to the style of sedimentation and nature of deformation and exhumation of portions of the Adelaide Geosyncline;</li> <li># Broken Hill and regions within the Curnamona Craton of South Australia and New South Wales in which students will be introduced to skills that are relevant to the understanding of packages of deformed and metamorphosed rocks and their interpretation in a region where there is a world-class ore body;</li> <li># Central Australia in which students will be introduced to an intracontinental fold and thrust belt and its relationship to the adjacent metamorphic basement and sedimentary basin;</li> </ul>
<b>Objectives:</b>	<p>At the end of this subject, students should have skills in field geology that will enable them to identify unfamiliar minerals and rocks in the field, collate and interpret observations from stratigraphy and rock relationships and structural geology. They should appreciate how observable geological phenomena can be documented, analysed and interpreted to provide an understanding of Earth processes.</p>
<b>Assessment:</b>	A written report of up to 2500 words due at the end of semester (75%); Selected field exercises and laboratory exercises (25%).
<b>Prescribed Texts:</b>	None

<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <a href="https://handbook.unimelb.edu.au/view/2010/B-ARTS">Bachelor of Arts</a> (<a href="https://handbook.unimelb.edu.au/view/2010/B-ARTS">https://handbook.unimelb.edu.au/view/2010/B-ARTS</a>)</li> <li># <a href="https://handbook.unimelb.edu.au/view/2010/B-COM">Bachelor of Commerce</a> (<a href="https://handbook.unimelb.edu.au/view/2010/B-COM">https://handbook.unimelb.edu.au/view/2010/B-COM</a>)</li> <li># <a href="https://handbook.unimelb.edu.au/view/2010/B-ENVS">Bachelor of Environments</a> (<a href="https://handbook.unimelb.edu.au/view/2010/B-ENVS">https://handbook.unimelb.edu.au/view/2010/B-ENVS</a>)</li> <li># <a href="https://handbook.unimelb.edu.au/view/2010/B-MUS">Bachelor of Music</a> (<a href="https://handbook.unimelb.edu.au/view/2010/B-MUS">https://handbook.unimelb.edu.au/view/2010/B-MUS</a>)</li> </ul> <p>You should visit <a href="http://breadth.unimelb.edu.au/breadth/info/index.html">learn more about breadth subjects</a> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Notes:</b>	<p>This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees), BASc or a combined BSc course.</p> <p>Special Requirements: Geological hammer, hand lens and magnet. Students should consult the Earth Sciences web site for dates, charges for excursions, accommodation and food and other information including safety requirements.</p>
<b>Related Course(s):</b>	Bachelor of Science
<b>Related Majors/Minors/ Specialisations:</b>	Geology Geology