

GEOL90027 Advanced Structural Mapping

Credit Points:	6.25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: February, Parkville - Taught on campus. This subject is taught through the Victorian Institute of Earth and Planetary Sciences: https://vieps.earthsci.unimelb.edu.au/ .
Time Commitment:	Contact Hours: 5 hours of lectures, 5 hours of practicals, 30 hours of field work. Total Time Commitment: 85 hours.
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	A knowledge of third-year geology is strongly recommended.
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>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 Kevin Walsh
Contact:	kevin.walsh@unimelb.edu.au
Subject Overview:	Students are taught to map out the structures and complex geometries within a series of multiply-deformed turbite sequence. The course teaches the concepts of key locality and provides strategies to correlate between key localities to produce consistent maps and cross-sections over outcrops at Bermagui Heads and Pt Dickinson in Bermagui in a structurally complex area within a poly-deformed terrane.
Learning Outcomes:	<ul style="list-style-type: none"> # Develop the geological mapping skills of students; # equip students with discipline-specific knowledge and expertise appropriate for post-graduate research in the field; equip students with discipline-specific knowledge and expertise enabling them to take their place as professional geologists in industry or government organisations; hone their field mapping techniques.
Assessment:	Notebook assessment including quality of the drawing of observations (10%), field assessment - description of one key outcrop in group of 4 and presentation (10%), cross section through the mapped area (30%), map produced including formlines of bedding and multiple tectonic foliations (50%) all due on the day of the final lecture.
Prescribed Texts:	Reading to be completed during the pre-teaching period: Ramsay & Huber, The Techniques of Modern Structural Geology; Passchier and Trouw, Microtectonics
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

<p>Generic Skills:</p>	<ul style="list-style-type: none"> # Exercise critical judgement; # undertake rigorous and independent thinking; # adopt a problem-solving approach to new and unfamiliar tasks; # develop high-level written report and/or oral presentation skills; # interrogate, synthesise and interpret the published literature; work as part of a team.
<p>Related Course(s):</p>	<p>Master of Geoscience Master of Science (Earth Sciences)</p>
<p>Related Majors/Minors/ Specialisations:</p>	<p>Earth Sciences Honours Program - Earth Sciences</p>