

GEOL90037 Applied Structural Geology

Credit Points:	6.25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: March, 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: 20 hours of lectures; 20 hours of practicals Total Time Commitment: 85 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	Knowledge of third-year geology 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:	The main focus is on marrying the understanding of structures, fluid flow and alteration in practical geometrical analysis of mineral systems from drill core and outcrop to the regional scale with the intent of improved resource delineation and targeting.
Learning Outcomes:	<ul style="list-style-type: none"> # This subject aims to 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; # Recognise the importance and role of structure in the formation and modification of ore deposits; # Understand the tools available and the workflow required to apply structural geology in the mineral exploration industry; # Rapidly apply these structural geology techniques with confidence in your work flow.
Assessment:	Map interpretation and cross-section exercise equivalent to 650 words, due on last day of the teaching period (25%) Structure and alteration practical interpretation equivalent to 1000 words, due on last day of the teaching period (40%) A kinematic analysis equivalent to 750 words, due on last day of the teaching period (30%) Multiple equally weighted practicals, due by last day of the teaching period (5%)
Prescribed Texts:	Reading expected to be completed in the pre-teaching period.
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>