

## GEOL90045 Exploration Skills Mapping

<b>Credit Points:</b>	6.25
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2016, Parkville This subject commences in the following study period/s: February, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: An eight day field trip Total Time Commitment: 85 hours
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	Knowledge of third-year geology strongly recommended
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt;         &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Coordinator:</b>	Assoc Prof Kevin Walsh
<b>Contact:</b>	kevin.walsh@unimelb.edu.au
<b>Subject Overview:</b>	Geological mapping, core logging and the recognition of ore-related hydrothermal alteration mineral assemblages are essential skills for all mining industry geologists. This field-based course will examine core and surface exposures of a mixed volcano-sedimentary succession in the highly mineralised Cambrian Mount Read Volcanics and Dundas Group of western Tasmania.
<b>Learning Outcomes:</b>	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; to develop skills in field mapping techniques, recognition of volcanic textures and their use in field mapping of mineralised sequences, recognition of alteration in volcanic sequences, structural analysis of slate belt rocks, graphic logging of core and analysis of structural geology data.
<b>Assessment:</b>	All assessment items are collectively equivalent to 2,500 words and are due by the last day of the teaching period. field maps (46%) core logs (15%) cross-sections (10%) stratigraphic column (5%) stereonet (8%) exploration potential memorandum (6%) performance/aptitude in the field (10%)
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>Generic Skills:</b>	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.
<b>Related Course(s):</b>	Master of Geoscience Master of Science (Earth Sciences)
<b>Related Majors/Minors/ Specialisations:</b>	Earth Sciences Honours Program - Earth Sciences