

GEOL30006 Economic Geology

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Lectures and practical classes.
Time Commitment:	Contact Hours: 2 x one hour lectures per week; 1 x three hour practical class per week Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	None
Corequisites:	50 points of second year level Earth Sciences subjects selected from # 625-201 Geology of Southeast Australia (/view/2010/625-201) # 625-202 Structural and Metamorphic Geology (/view/2010/625-202) # 625-203 Dangerous Earth (/view/2010/625-203) # 625-222 Earth Composition, Minerals and Magmas (/view/2010/625-222) # 625-223 Field Mapping and Sedimentary Geology (/view/2010/625-223) # 625-202 Earth Structure and Dynamics (prior to 2010) # 625-202 Sedimentary Basins to Mountain Belts (prior to 2009) # 625-222 Minerals and Magmas (prior to 2009) # 625-223 Earth Surface Processes (prior to 2010) # 625-223 Field Geology (prior to 2009)
Recommended Background Knowledge:	Subjects selected from # 625-301 Tectonics & Geodynamics (/view/2010/625-301) # 625-301 Structural Geology and Geodynamics (prior to 2010) # 625-302 Sedimentary Geology (/view/2010/625-302) # 625-303 Geochemistry & Petrogenesis (/view/2010/625-303)
Non Allowed Subjects:	None
Core Participation Requirements:	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. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Assoc Prof David Phillips
Contact:	Email: dphillip@unimelb.edu.au (mailto:dphillip@unimelb.edu.au)
Subject Overview:	Topics covered include the geological setting and genesis of major metalliferous deposits; magmatic, magmatic hydrothermal, submarine hydrothermal and surficial deposits of major metalliferous and non-metallic resources will be integrated with fluid inclusions, stable isotope, petrographic and field studies.
Objectives:	On completion of this subject, students should comprehend the wide variety of metalliferous-ore-forming processes. Students should have developed skills in interpreting ore deposits, skills in exploration techniques based on ore-forming processes, and skills in communication.
Assessment:	Five written assignments of up to 2000 words each during the semester (40%); assessment of practical exercises during the semester (10%); a 2-hour practical examination held at the end of the semester (20%); a 2-hour written examination during the examination period (30%).

Prescribed Texts:	None
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # <u>Bachelor of Arts</u> (https://handbook.unimelb.edu.au/view/2010/B-ARTS) # <u>Bachelor of Commerce</u> (https://handbook.unimelb.edu.au/view/2010/B-COM) # <u>Bachelor of Environments</u> (https://handbook.unimelb.edu.au/view/2010/B-ENVS) # <u>Bachelor of Music</u> (https://handbook.unimelb.edu.au/view/2010/B-MUS) <p>You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Notes:	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.
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Geology Geology