

# GEOL30006 Economic Geology

<b>Credit Points:</b>	12.50												
<b>Level:</b>	3 (Undergraduate)												
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Lectures and practical classes.												
<b>Time Commitment:</b>	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												
<b>Prerequisites:</b>	All of <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Subject</th> <th style="width: 20%;">Study Period Commencement:</th> <th style="width: 20%;">Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOL20002 Structural and Metamorphic Geology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOL20003 Earth Composition, Minerals and Magmas</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOL20004 Field Mapping and Sedimentary Geology</td> <td>June</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	GEOL20002 Structural and Metamorphic Geology	Semester 1	12.50	GEOL20003 Earth Composition, Minerals and Magmas	Semester 1	12.50	GEOL20004 Field Mapping and Sedimentary Geology	June	12.50
Subject	Study Period Commencement:	Credit Points:											
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GEOL20003 Earth Composition, Minerals and Magmas	Semester 1	12.50											
GEOL20004 Field Mapping and Sedimentary Geology	June	12.50											
<b>Corequisites:</b>	None												
<b>Recommended Background Knowledge:</b>	Subjects selected from # 625-301 Strutural Geology and Geodynamics(prior to 2010) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Subject</th> <th style="width: 20%;">Study Period Commencement:</th> <th style="width: 20%;">Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOL30002 Tectonics &amp; Geodynamics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOL30004 Geochemistry &amp; Petrogenesis</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOL30003 Sedimentary Geology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	GEOL30002 Tectonics & Geodynamics	Semester 1	12.50	GEOL30004 Geochemistry & Petrogenesis	Semester 1	12.50	GEOL30003 Sedimentary Geology	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:											
GEOL30002 Tectonics & Geodynamics	Semester 1	12.50											
GEOL30004 Geochemistry & Petrogenesis	Semester 1	12.50											
GEOL30003 Sedimentary Geology	Semester 2	12.50											
<b>Non Allowed Subjects:</b>	None												
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>												
<b>Coordinator:</b>	Assoc Prof David Phillips												
<b>Contact:</b>	<b>Email: <a href="mailto:dphillip@unimelb.edu.au">dphillip@unimelb.edu.au</a> (mailto:dphillip@unimelb.edu.au)</b>												
<b>Subject Overview:</b>	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.												
<b>Objectives:</b>	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.												

<b>Assessment:</b>	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%).
<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># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-ARTS">https://handbook.unimelb.edu.au/view/2011/B-ARTS</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-COM">https://handbook.unimelb.edu.au/view/2011/B-COM</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-ENVS">https://handbook.unimelb.edu.au/view/2011/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-MUS">https://handbook.unimelb.edu.au/view/2011/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 (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>	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.
<b>Related Course(s):</b>	Bachelor of Science
<b>Related Majors/Minors/Specialisations:</b>	Geology Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses