Geology

Year and Campus:	2010
Coordinator:	.
Contact:	**Email (http://studentadmin-unimelb.custhelp.com/cgi-bin/studentadmin_unimelb.cfg/php/enduser/ask.php?&p_srch=1&p_icf_47=945)** the Science Student Centre
Overview:	A Geology major will provide the springboard for students entering careers or research any area in which an understanding of how the planet functions is required. This includes fundamental research into geological processes, including palaeoclimate change, geodynamics, ore deposit formation, and the environment. Careers outside research can be wide-ranging and include the minerals exploration industry, petroleum industry, environmental consulting and management. Graduates will be prepared for these pathways by developing skills in acquiring and interpreting geological information, which are crucial to being prepared to make contributions in laboratories, in consulting roles in industry, or in policy/decision making in management. This major will integrate knowledge from a range of disciplines from field-based studies to more theoretical aspects of rocks, minerals and their behaviour during Earth processes. Students will complete a sequence of specialist subjects as well as integrated subjects in which they develop an understanding of how these may be applied to solve outstanding questions about how the Earth works, including the competing problems of resource consumption (air, water, minerals, energy) and the environment. Students will gain experience preparing them for the workplace by participating in hands-on project work that requires careful time management and the clear communication of results.
Objectives:	.
Structure & Available Subjects:	In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.
Subject Options:	**Geology major** Completion of 50 points of study at third year level. Both of:

Subject	Study Period Commencement:	Credit Points:
GEOL30002 Tectonics & Geodynamics	March	12.50
GEOL30003 Sedimentary Geology	Semester 2	12.50

Plus two of:

Subject	Study Period Commencement:	Credit Points:
GEOL30004 Geochemistry & Petrogenesis	March	12.50
GEOL30005 Applied Geophysics	Semester 2	12.50
GEOL30006 Economic Geology	Semester 2	12.50
ERTH30001 Hydrogeology	Not offered 2010	12.50
GEOL30009 Advanced Field Geology	June	12.50

	SCIE30001 Science Research Project	Summer Term, Semester 1, Semester 2	12.50
	600-312 Research Project B (Prior to 2010)		
Notes:	The topic of the Research Project must be related to geology.		
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Commerce and Bachelor of Science Bachelor of Science Bachelor of Science and Bachelor of Information Systems		