Earth Sciences

Year and Campus:	2013
Coordinator:	Associate Professor Kevin Walsh
Contact:	Email: **mesc-coord@earthsci.unimelb.edu.au (mailto:mesc-coord@earthsci.unimelb.edu.au)**
Overview:	The Postgraduate Diploma is designed to allow Earth Scientists to upgrade their skills and/or retrain by undertaking a year (or longer part-time) of coursework and thesis studies. In addition, the Diploma is open to Science graduates with a background or work experience in Earth Sciences who wish to undertake further studies in Earth Science for business or pleasure. The Diploma studies are modular and available part-time to encourage participation from industry Earth Scientists. - **Duration:** The Postgraduate Diploma can be completed full-time in one year (100 points) or part-time over several years, allowing industry Earth Scientists to attend courses in 2-6 week blocks to complete subjects and carry out thesis and literature review studies remotely, if necessary. International students must take the diploma full-time. The Diploma involves completion of 12 one-week short courses, a literature review and a minor thesis. - **Entry Requirements:** Admission is open to candidates with a Bachelor of Science degree specialising in Earth Sciences, or with a Bachelor of Science degree with a background or work experience in Earth Sciences. Candidates will usually commence studies at the beginning of February, but mid-year starts are also possible. Admission is subject to the availability of a supervisor for the research component of the diploma.
Objectives:	# increase their knowledge and understanding of Earth Sciences and awareness of current developments and issues relating to studies of our planet; # develop independent and critical thinking skills; # improve oral and written communication skills.
Structure & Available Subjects:	The School of Earth Sciences offers a wide variety of one-week theory/practical or field studies from which to choose; typically there are 30 such short courses available each year, of which candidates must complete 12. These are offered within the formal 12.5 point subjects listed for the MSc (Earth Sciences), all of which are available to Postgraduate Diploma students with authorisation from the coordinator. Please see the MSc (Earth Sciences) handbook entry. This allows the Postgraduate Diploma candidate to specialise in a particular aspect of Earth Science or attain more broadly-based expertise. In addition to the coursework requirement (75 points), the Postgraduate Diploma also requires the completion of a literature review and minor thesis (25 points). Candidates who attain an average mark of over 65% may be eligible to upgrade their studies to the Master of Science (MSc) or honours degree. Two options are available regarding your research topic: 1 You may have your own research topic and dataset in mind, particularly if you are coming from industry. 2 You may wish to undertake a research project offered by one of the many academics within the School of Earth Sciences. In both cases you can contact the Postgraduate Coursework Coordinator directly at **mesc-coord@earthsci.unimelb.edu.au (mailto:mesc-coord@earthsci.unimelb.edu.au)** who will direct your enquiry to the appropriate specialist in the School of Earth Sciences, or you can investigate the Earth Sciences staff members on this website and contact them directly **http://www.earthsci.unimelb.edu.au/ (http://www.earthsci.unimelb.edu.au/)**
Subject Options:	Students will select 75 points from the following subjects:

Subject	Study Period Commencement:	Credit Points:
ATOC90007 Mesoscale Atmospheric Dynamics	Not offered 2013	12.50
ATOC90006 Climate Analysis and Modelling	Not offered 2013	12.50
ATOC90005 Atmosphere Ocean Interaction and Climate	Not offered 2013	12.50
ATOC90004 Current Topics in Atmospheric Science A	Not offered 2013	12.50
EVSC90018 Hydrogeology and the Environment	Not offered 2013	12.50
GEOL90010 Geoscience in the Field	Not offered 2013	12.50
GEOL90018 Mineralogy and Mineral Identification	Not offered 2013	12.50
GEOL90014 Deposit Models & Mineral Exploration	Not offered 2013	12.50
GEOL90015 The Geology of Ore Deposits	Not offered 2013	12.50
GEOL90008 Digital Geoscience	Not offered 2013	12.50
GEOL90007 Geochemistry and Geochronology	Not offered 2013	12.50
GEOL90016 Surface Processes and Geodynamics	Not offered 2013	12.50
GEOL90006 Energy	Not offered 2013	12.50
GEOL90011 Palaeontology and Biogeochemistry	Not offered 2013	12.50
GEOL90017 Structural Geology and Geodynamics	Semester 1	12.50
GEOL90012 Current Topics in Geology A	Not offered 2013	12.50
GEOL90013 Current Topics in Geology B	Not offered 2013	12.50
GEOL90019 Current Topics in Geology C	Not offered 2013	12.50
GEOL90020 Current Topics in Geology D	Semester 2	12.50
GEOL90005 Hydrogeology	Not offered 2013	12.50

Students may also select up to 25 points of approved third-year subjects in Earth Sciences.

Research Project

Students must complete the following Research Project subject:

Subject	Study Period Commencement:	Credit Points:
ERTH40001 Earth Sciences Research Project	Semester 1, Semester 2	25

Links to further information:	http://graduate.science.unimelb.edu.au
Notes:	This program has a start-year and a mid-year intake.
Related Course(s):	Postgraduate Diploma in Science