



ASSISTANT LECTURER

DEPARTMENT/UNIT	School of Earth, Atmosphere and Environment
FACULTY/DIVISION	Faculty of Science
CLASSIFICATION	Level A
WORK LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu

The School of Earth, Atmosphere and Environment is located in the Faculty of Science (<https://www.monash.edu/science/schools/earth-atmosphere-environment>) and has close collaborations with other Schools, such as Physics, Chemistry and Biology, and with other Faculties, such as Business and Economics, Arts, and Engineering. The School has strong links with outside institutions such as CSIRO, the Bureau of Meteorology, the Australian Synchrotron, and Geoscience Australia as well as a large number of research institutes and universities globally.

The School is highly multidisciplinary with very active groups in Crustal Evolution, Tectonics and Structural Geology, Geodynamics, Environmental Mineralogy, Synchrotron Geoscience and Geochemistry, Economic Geology, Petrology, and Applied Geophysics, as well as groups in the Atmospheric and Environmental Sciences. The School has a suite of world-class research geochemistry facilities which include: a ThermoFisher Neptune plus MC-ICP-MS, a Triton plus TIMS, a triple-quadrupole iCAP-TQ and a single-quadrupole iCAP-Q ICP-MS, ASI-RESOLUTION ArF 193 nm excimer and New Wave UP 213 nm Nd-YAG solid state laser ablation systems, a class 350 clean laboratory for isotope geochemistry.

POSITION PURPOSE

The Level A academic role is to assist Unit Coordinators in the teaching and assessment of Geophysics and Geodynamics subjects, and the generation and delivery of teaching materials.

The Level A academic is expected to make contributions to the teaching effort of the University, particularly at undergraduate and postgraduate level and to carry out activities to develop her/his scholarly research and/or professional expertise relevant to the profession or discipline.

The Level A academic will be part of the Monash Geodynamics group working in several aspects of geophysics, geodynamics and global tectonics modelling. The successful candidate will be expected to carry out research

leading to refereed publications in international journals, or other research outputs, in line with the topics of interest of the group. Of interest are the interactions between global plate tectonics and mantle dynamics, with emphasis on cross-scale coupling, from plate margins to global tectonics, from the deep mantle to the surface, and from short-term to geological time-scales.

Reporting Line: The position reports to Future Fellow, School of Earth Atmosphere and Environment

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level A academic may include:

1. Supporting Academic Unit Coordinators
2. Preparation and delivery of lectures and seminars provided that skills and experience demonstrate this capacity
3. Assisting with direction and supervision of practical laboratory Staff and/or teaching associates in the running of practical classes
4. Contributing to the production of teaching materials for students for whom the academic has responsibility
5. Marking and assessment primarily connected with subjects in which the academic teaches
6. Assisting with a range of activities that contribute to maintaining currency with disciplinary learning and teaching innovation; including remaining up-to-date with research into teaching practises to enable development and implementation of new teaching strategies to enhance learning
7. Attendance at departmental, school and/or faculty meetings and/or membership of a limited number of committees
8. The conduct of research, including the supervision of undergraduate and post-graduate students and contributing to the development of competitive grant funding applications
9. The Level A academic shall work with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as they gain skills and experience.

A Level A academic shall work with support and direction from Academic staff classified at Level B and above and with an increasing degree of autonomy as the academic gains in skill and experience.

The most complex levels of subject coordination should not be carried out by a Level A academic.

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - a doctorate Geophysics or Geodynamics from a recognised university or a closely related field

Knowledge and Skills

2. Proven expertise in numerical or analogue modelling, applicable to geodynamic problems
3. A high level of interpersonal skills and demonstrated ability to work independently and as part of a team

4. Demonstrated track record of independent research; including a solid track record of refereed research publications
5. Ability to work positively and cooperatively with students, internal and external teams of scientific researchers and agencies
6. Demonstrated record of teaching experience in a tertiary environment
7. Demonstrated ability to motivate, actively engage and educate a given audience

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.