

## Position description

### Senior Lecturer/Lecturer in Low Temperature Geological Processes

<b>Position number</b>	50108154
<b>Department/Unit</b>	School of Geosciences
<b>Faculty/Division</b>	Faculty of Science
<b>Classification (salary rates)</b>	Level C/B
<b>Employment type</b>	Full-time
<b>Work location</b>	Clayton campus
<b>Date document created or updated</b>	27 August 2013

#### Position purpose

A **Senior Lecturer (level C)/Lecturer (level B)** in the School of Geosciences is expected to make contributions to the teaching effort of the School, and is also expected to carry out activities to maintain and develop his/her scholarly, research and/ or professional activities relevant to the discipline.

Reporting directly to the Head of School a **Senior Lecturer (level C)/Lecturer (level B)** in the School of Geosciences will be expected to contribute excellence in teaching undergraduate classes, fostering a stimulating program for postgraduate students and developing a strong research program. In addition the appointee will contribute to enhancing the school's reputation for scientific excellence both nationally and internationally.

- **Reporting line:** The position reports to the Head of School, School of Geosciences

## Organisational context

**Monash University** is an energetic and dynamic university committed to quality education, outstanding research and international engagement. A member of Australia's Group of Eight research-intensive universities, it seeks to improve the human condition and is committed to a sustainable future. Monash has six campuses in Victoria, a campus in Malaysia, a campus in South Africa, a centre in Prato, Italy, and numerous international partnerships and cooperative ventures. Monash has over 63,000 equivalent full-time students spread across its Australian and off-shore campuses, and over 7,200 full time equivalent staff. Almost 3,000 of these staff members are academic staff.

**The Faculty of Science** is one of ten faculties at Monash University. It offers undergraduate courses and higher degrees by research to nearly 3,500 students at the Clayton and Gippsland campuses, and at Monash University Malaysia; some programmes are also available in off-campus mode. The faculty consists of six Schools and includes major nodes of five national research centres funded by the Australian Research Council, in addition to six faculty research centres and involvement in six Cooperative Research Centres. Ten departments from other university faculties contribute to science teaching at all levels, allowing students to choose their studies from physical, biological, biomedical, behavioural, environmental, mathematical and computer sciences.

Staff within the Faculty of Science are active in conducting internationally recognised research, which is reflected in our teaching programmes; a prime advantage for students is our capacity to offer an extensive choice of subjects, with well-equipped laboratories and sophisticated, state-of-the-art equipment.

The Faculty mission is *"To be recognised as a leader in the design and delivery of high quality and comprehensive programmes in science education and in the conduct of highly original and significant research at the best international standards"*.

**The School of Geosciences** is one of six schools within the Faculty of Science (one of five based at Clayton campus), and is responsible for delivering a broad curriculum for undergraduate students in the Earth sciences (geology, geophysics, environmental geosciences) and competitive research programs at international level suitable for postgraduate training in several nominated areas of strength. Research-based postgraduate study is enhanced by an active and stimulating academic environment where both national and internationally collaborative research projects are actively sought and fostered. Both teaching and research programs are further enhanced by collaborative links with other academic schools within Monash University and with other Australian Universities and State/Federal Research Organisations. As part of its strategic plan, and taking advantage of the Australian Synchrotron adjacent to the Clayton Campus and Monash University's investment in supporting E-infrastructure, the School of Geosciences is committed to strengthen its research profile in the application of synchrotron methods to geoscience research.

### School of Geosciences Snapshot:

- Undergraduate students- First year: 400;
- Second Year: 140;
- Third Year: 120;
- Fourth Year (Honours): 35
- Postgraduate students: 55
- Academic and Research Staff: 21

<http://www.geosci.monash.edu.au/>

## Key result areas and responsibility

Specific duties required of a **Level C** academic may include:

- the conduct of practical classes, workshops and student field excursions;
- initiation and development of course material;
- acting as course coordinators;
- the preparation and delivery of lectures and seminars;
- supervision of the program of study of honours students or of postgraduate students engaged in course work;
- supervision of major honours or postgraduate research projects;
- the conduct of research;
- significant role in research projects including, where appropriate, leadership of a research team;
- involvement in professional activity;
- development of course material with appropriate advice from and support of more senior staff;
- marking and assessment;
- consultation with students;
- a range of administrative functions the majority of which are connected with the subjects in which the academic teaches; and
- attendance at school and/or faculty meetings and/or membership of a number of committees.

Specific duties required of a **Level B** academic may include:

- the conduct of practical classes, workshops and student field excursions;
- initiation and development of subject material;
- acting as subject coordinators;
- the preparation and delivery of lectures and seminars;
- supervision of the program of study of honours students or of postgraduate students engaged in course work;
- supervision of major honours or postgraduate research projects;
- the conduct of research;
- involvement in professional activity;
- development of course material with appropriate advice from and support of more senior staff;
- marking and assessment;
- consultation with students;
- a range of administrative functions the majority of which are connected with the subjects in which the academic teaches; and
- attendance at school and/or faculty meetings and/or membership of a number of committees.

## Key selection criteria

A **Level C** academic shall have qualifications and/or experience recognised by the university as appropriate for the relevant discipline area of Low Temperature Geological Processes. A position at this level will normally require a doctoral qualification or equivalent accreditation and standing. In determining experience relative to

qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

**Essential:**

1. This position will require a doctoral qualification in geoscience or a relevant discipline such as physics or chemistry.
2. Postdoctoral experience in the area of Low Temperature Geological Processes. Experience in the use of synchrotron methods for research is highly desirable.
3. A research record appropriate to a Lecturer (Level C) appointment.
4. Demonstrated ability to obtain external funding in competitive research grants.
5. Potential and willingness to teach undergraduate (and post graduate if needed) students in one or more sub disciplines of Geology, Geochemistry or Environmental Geoscience
6. Potential and willingness to supervise and attract postgraduate students.
7. Excellent communication skills (both written and oral).
8. Well developed organisational and administrative skills (highly desirable).
9. Capacity to build a research programme involving collaboration with existing staff and research programs (highly desirable).
10. A strong record of research publications, relative to time since PhD completion

A **Level B** academic shall have qualifications and/or experience recognised by the university as appropriate for the relevant discipline area of Low Temperature Geological Processes. In determining experience relative to qualifications, regard is had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement.

**Essential:**

1. This position will require a doctoral qualification in geoscience or a relevant discipline such as physics or chemistry.
2. Postdoctoral experience in the area of High-Low Temperature Geological Processes. Experience in the use of synchrotron methods for research is highly desirable.
3. A research record appropriate to a Lecturer (Level B) appointment.
4. Demonstrated ability to obtain external funding in competitive research grants.
5. Potential and willingness to teach undergraduate (and post graduate if needed) students in one or more sub disciplines of Geology, Geochemistry or Environmental Geoscience
6. Potential and willingness to supervise and attract postgraduate students.
7. Excellent communication skills (both written and oral).
8. Well developed organisational and administrative skills (highly desirable).
9. Capacity to build a research programme involving collaboration with existing staff and research programs (highly desirable).
10. A strong record of research publications, relative to time since PhD completion

## Other job related information

This appointment will involve undertaking travel related to undergraduate field trips, in addition to travel relating to supervision of postgraduate students, and therefore will have extended periods of time away from home base. However, all scheduled teaching commitments must be met.

## Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including:

- Equal Employment Opportunity, supporting equity and fairness
- Occupational Health and Safety, supporting a safe workplace
- Conflict of Interest (including Conflict of Interest in Research)
- Paid Outside Work
- Privacy
- Research Conduct
- Staff/Student Relationships