

# SENIOR LECTURER (EDUCATION-FOCUSED)

DEPARTMENT/UNIT	School of Earth, Atmosphere and Environment
FACULTY/DIVISION	Faculty of Science
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Clayton campus

## ORGANISATIONAL CONTEXT

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At [Monash](#), work feels different. There's a sense of belonging that comes from contributing to something groundbreaking – it is a place where great things happen. You know you're part of something special and purposeful because, like Monash, your ambitions drive you to make change.

We have a clear purpose to deliver groundbreaking intensive research; a world-class education; a global ecosystem of enterprise – and we activate these to address some of the [challenges](#) of the age, Climate Change, Thriving Communities and Geopolitical Security.

We welcome and value difference and [diversity](#). When you come to work, you can be yourself, be a change-maker and develop your career in exciting ways with curious, energetic, inspiring and committed people and teams driven to make an impact – just like you.

At Monash we are [committed to academic freedom](#), and you will have access to quality research facilities, infrastructure, world class teaching spaces, and international collaboration opportunities.

We champion an [inclusive workplace culture](#) for our staff regardless of ethnicity or cultural background. We have also worked to improve [gender equality](#) for more than 30 years. Join the pursuit of our purpose to build a better future for ourselves and our communities – [#Changelt](#) with us.

The five Schools of the **Faculty of Science** offer a large and diverse range of disciplines in undergraduate and postgraduate courses. Ten Schools 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. The Faculty of Science has a strong research reputation. The Faculty's research spans the theoretical to the

applied, contributes to new knowledge and technologies, and challenges how we interact with the world. To learn more about the Faculty of Science, please visit our [website](#).

Through leadership in research and education, the **School of Earth, Atmosphere and Environment** ([www.monash.edu/science/schools/earth-atmosphere-environment](http://www.monash.edu/science/schools/earth-atmosphere-environment)) aims to find environmental solutions for society and our planet. The School is interdisciplinary and hosts very active groups in Atmospheric/Climate Sciences, Physical Geography/Environment, and Geology/Geosciences. We address the global challenges identified in the Monash [Impact 2030 Strategic Plan](#) (Climate Change, Geopolitical Security and Thriving Communities), and we answer further fundamental questions about the formation and workings of our planet and solar system. The school is located in the Faculty of Science and has close collaborations with Biology, Chemistry, Mathematics and Physics, and with other Faculties, such as Arts (involving co-delivery of the undergraduate Geography programme), Business and Economics, and Engineering.

The School supports the newly funded ARC Centre of Excellence 'Weather of the 21<sup>st</sup> Century' and Securing Antarctica's Environmental Future (SAEF), an ARC Special Research Initiative in Excellence in Antarctic Science, both of which are led out of Monash. Facilities include infrastructure to support fieldwork, world class geochemistry laboratories for elemental, stable isotope, radioisotope analysis of waters, soils and environmental materials, an environmental DNA facility, and a preparation laboratory for terrestrial cosmogenic nuclides. The School hosts the Monash Drone Discovery Platform, and groups within the School have established collaborations with the National Computational Infrastructure, and the Australian Synchrotron (located adjacent to Monash Clayton). The School has strong links with outside institutions such as Federal and State Government agencies, CSIRO, ANSTO, the Bureau of Meteorology, Australia's climate simulator (ACCESS NRI), the Australian Antarctic Division, AuScope, and Geoscience Australia, as well as a large number of research institutes and universities globally.

## POSITION PURPOSE

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Education-focused staff (as a subset of the Teaching and Research category of employment) at Monash are an elite category of the academy who focus on and contribute to the innovation of education and leading the design and delivery of education at the University. The Lecturer (Education focused) will be expected to primarily focus on improving the quality of undergraduate education within their department, school or faculty. They will be on a trajectory towards leadership in educational design and delivery and adopting evidence-informed approaches to practice.

The primary purpose of this position is to deliver an exceptional and inspiring first-year teaching programme in the School of Earth Atmosphere and Environment. As an Education-focused academic, your key responsibilities will involve coordinating and delivering multiple units within the School, which are co-taught by academics from the full range of disciplines within the School. Your role will include coordinating and delivering academic content in these units, as well as managing the broader academic input to ensure a coherent and high-quality student experience in these units. An inspiring and engaging teaching style is crucial to motivate students and foster a passion for learning in first year Earth Sciences, leading to increased student success and retention in subsequent years.

These units cover a diverse range of subjects, ranging from geology and environmental science to physical geography and atmospheric science, encompassing the breadth of what our school offers. To excel in this role, you must demonstrate a comprehensive mastery of this broad content, and the ability to effectively guide students in the classroom and on field trips.

Furthermore, as part of your role, you will assist with the design and delivery of educational programmes across the School. Your expertise in educational development will be invaluable in shaping the learning experience for our students.

**Reporting Line:** The position reports to Head, School of Earth, Atmosphere and Environment

**Supervisory Responsibilities:** This position provides direct supervision to sessional or fixed-term teaching staff

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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This position is a Level C education-focused academic. Level C education-focused academics will engage in educational scholarship, and/or play a leadership role in educational innovation, curriculum design and review.

Some of the duties of a Level C education-focused academic may include:

1. The preparation and delivery of lectures and seminars
2. Course material and resource development
3. Marking and assessment
4. Consultation with students
5. Designing, implementing and reviewing educational innovations
6. Coordinating a major or field of study or award program
7. Engaging in collaborative design or implementation of cross-faculty, cross-campus or team-taught units, courses or projects
8. Building learning and teaching capacity in fellow academics within the Department, School or Faculty
9. Broad administrative function
10. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work

Research and scholarship for a Level C education-focused academic may include:

11. Innovative curriculum design based on systematic and evidence-based review of teaching methods and techniques
12. Exploring the impact of changes in curriculum design and teaching practice on student learning
13. Publishing educational or disciplinary research in high-quality refereed journals or equivalent (for example, textbooks or teaching resources)
14. Attracting funding to undertake projects that enhance student or staff learning and teaching outcomes
15. Conference presentations on educational practice and design at local and national conferences
16. Other duties as directed from time to time

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A doctoral qualification in a relevant field of Earth Science, or equivalent research and teaching experience.

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.

### **Knowledge and Skills**

2. High-level interpersonal skills and proven ability to establish a good working relationship with colleagues and students and to develop and maintain strong professional links with relevant industry and the community
3. Proven ability, commitment and passion for engaging in academic activities, taking a leadership role where appropriate
4. Demonstrated excellence in teaching in the discipline area of Earth Science (i.e. through evaluations, innovation in presentation and through curriculum development)
5. A good scholarship/research record as evidenced by publications in high-quality refereed journals or equivalent (e.g. textbooks) and where appropriate the securing of external funding
6. Ability to plan, organise and achieve work targets, sometimes in demanding circumstances and work harmoniously and constructively with academic colleagues and other university staff
7. Ability to promote the discipline both within the University and to the greater community
8. Proven experience mentoring and supervising coursework and HDR students
9. Record of obtaining external funding, or of assisting others to do so
10. Evidence of participation and high-quality contribution to school, faculty and university committees
11. Demonstrated understanding of equity, diversity and inclusion principles and their application in promoting an inclusive workplace for colleagues and students

### **OTHER JOB RELATED INFORMATION**

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- 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**

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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.