

# SENIOR LECTURER

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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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](http://www.monash.edu).

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: [www.monash.edu/science](http://www.monash.edu/science).

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 is a major node of the ARC Centre of Excellence in Climate Extremes (CLEX), and Securing Antarctica's Environmental Future (SAEF), an ARC Special Research Initiative in Excellence in Antarctic Science 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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The Senior Lecturer will develop excellence in teaching and research in the broad subject area of Water Science. We seek an outstanding colleague who brings new ideas to research and teaching, building on and extending the existing strengths in the School of Earth, Atmosphere and Environment and developing links with other Schools and Faculties. Research may focus on physical, geochemical or biogeochemical processes at any scale and employ experimental, theoretical, observational and/or computational approaches. Areas of interest include, but are not limited to: hydrology, hydrogeology, ecohydrology, aqueous geochemistry, and remote sensing of surface and groundwater. The work may inform the global water cycle and/or have applications to climate change, water resources, contamination, Indigenous water science or other environmental problems relevant to Australian and global environments. A Level C academic is expected to make significant contributions to teaching and curriculum development. The successful candidate will teach into a range of undergraduate and/or Masters courses within the School of Earth, Atmosphere and Environment and in the Faculty of Science. An academic at this level is also expected to play a major role in scholarship, research and professional activities.

**Reporting Line:** The position reports to the Head of School

**Supervisory Responsibilities:** Not applicable

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## **KEY RESPONSIBILITIES**

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Specific duties required of a Level C academic may include:

1. The conduct of lectures, tutorials, practical classes, demonstrations, workshops, and student field excursions
2. Initiation and development of course material
3. Course coordination
4. The preparation and delivery of lectures and seminars
5. Supervision of honours or postgraduate research projects
6. Supervision of coursework postgraduate students

7. The conduct of research including leadership of a research team
8. Involvement in professional activities
9. Consultation with students
10. Broad administrative functions
11. Marking and assessment
12. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work
13. 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 the relevant discipline area or equivalent accreditation and standing and/or recognised significant experience in the relevant discipline area.

### **Knowledge and Skills**

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and research sectors
3. Demonstrated ability in undertaking outstanding research and leading research teams and projects
4. Demonstrated publication record in high-quality refereed journals, textbooks or teaching resources
5. Proven record of obtaining significant competitive external research grants
6. Demonstrated record of successfully supervising postgraduate research students
7. Demonstrated strong record of tertiary-level teaching including course coordination
8. Demonstrated ability to motivate, actively engage and educate diverse audiences
9. Ability to work positively and cooperatively with students, other staff, and external organisations
10. 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.