Position Description

<table>
<thead>
<tr>
<th>College/Division:</th>
<th>College of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty/School/Centre:</td>
<td>Research School of Earth Sciences</td>
</tr>
<tr>
<td>Department/Unit:</td>
<td>Climate and Ocean Sciences</td>
</tr>
<tr>
<td>Position Title:</td>
<td>Lecturer</td>
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<tr>
<td>Classification:</td>
<td>Academic Level B</td>
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<tr>
<td>Position No:</td>
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<tr>
<td>Responsible to:</td>
<td>Head, Area of Climate and Ocean Geoscience</td>
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<tr>
<td>Number of positions that report to this role:</td>
<td></td>
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<tr>
<td>Delegation(s) Assigned:</td>
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PURPOSE STATEMENT:
The ANU College of Science (CoS) encompasses the disciplines of: Astronomy, Biology, Chemistry, Earth Sciences, Environment and Society, Mathematics, Physics, Science Communication and is also home to cross-disciplinary and specialist Institutes and Centres. Staff and students within the ANU College of Science conduct research and deliver a research-led education program that encompasses the entire breadth of the sciences, supported by extensive international networks and by world-class facilities.

The Research School of Earth Sciences is Australia's leading academic research institution for Earth science. The School have a reputation for international leadership and innovation, focused on developing and applying new methods, whether experimental, analytical, or computational.

The Lecturer is expected to undertake work in all three areas of academic activity – research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of the appointees' research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Lecturer may also be required to supervise or mentor less senior staff, and undertake leadership roles as applicable. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

KEY ACCOUNTABILITY AREAS:
Position Dimension & Relationships:
The Lecturer will be a member of Research School of Earth Sciences, accountable to the Head, Head, Area of Climate and Ocean Geoscience and Director of the School. The Lecturer will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within the all-academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and where possible, international colleagues.

Role Statement:
In their role as an Academic Level B the Lecturer is expected to:

- Undertake independent research in the area of quantitative climate science (e.g. climate and fluid physics, ocean, atmosphere and/or coupled climate modelling, paleoclimatology) with a view to publishing original and innovative results in refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
- Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
- Actively contribute to large research consortia in the discipline of climate and ocean geoscience at RSES, such as the Australian Centre for Excellence in Antarctic Science (ACEAS), the Centre of Excellence for Climate Extremes (CLEX) and/or the Centre of Excellence for 21st Century Weather (W21C).
• Contribute to the teaching activities of the School at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as course coordinator and the initiation and development of course/subject material.

• Supervise students working on individual or group projects at undergraduate, honours, and postgraduate levels.

• Actively contribute to all aspects of the operation of the School. This may include representation through committee memberships.

• Assist in outreach activities including to prospective students, research institutes, industry, government, the media and the general public.

• Maintain high academic standards in all education, research and administration endeavours.

• Take responsibility for their own workplace health and safety and not wilfully place at risk the health and safety of another person in the workplace.

• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

• Other duties as required that are consistent with the classification of the position.

Skill Base:
A Level B academic will undertake independent teaching and research in their discipline or related area. In research, scholarship and teaching a Level B academic will make an independent contribution through professional practice and expertise and coordinate and/or lead the activities of other staff, as appropriate to the discipline.

A Level B academic will normally contribute to teaching at undergraduate, honours and postgraduate level, engage in independent scholarship and/or research and/or professional activities appropriate to their profession or discipline. The academic will normally undertake administration primarily relating to their activities at the institution and may be required to perform the full academic responsibilities of and related administration for the coordination of an award program of the institution.

SELECTION CRITERIA:
• A PhD in climate science or a related area, with a track record of independent research as evidenced by publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations and by other measures such as awards, and invitations to present at conferences etc.

• Evidence of the ability to articulate and prosecute innovative research and a vision for the activities they will undertake at the ANU.

• A demonstrated ability and commitment to apply for competitive external funding to support individual and collaborative research activities.

• Evidence of an ability and willingness to teach at all levels.

• An ability to supervise and graduate high quality PhD/Masters research students.

• The demonstrated ability to work as part of a team, contributing to team management and a demonstrated ability to meet deadlines.

• Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.

• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Name: Professor Dorrit Jacob Date: July 2023

References:
Academic Minimum Standards
In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.
- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.
- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance [https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook](https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook)
- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.

### Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties.

<table>
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<tr>
<th>TASK</th>
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<tbody>
<tr>
<td>key boarding</td>
<td>☒</td>
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<td>laboratory work</td>
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<tr>
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<td>work at heights</td>
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<tr>
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<td>work in confined spaces</td>
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<td>Organizing events</td>
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<td>noise / vibration</td>
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<td>fieldwork &amp; travel</td>
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<td>NON-IONIZING RADIATION</td>
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<td>IONIZING RADIATION</td>
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<td>gamma, x-rays</td>
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<td>ultraviolet</td>
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<td>clinical specimens, including</td>
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<tr>
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<td>immunisations</td>
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**OTHER POTENTIAL HAZARDS (please specify):**
PURPOSE STATEMENT:
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The Research School of Earth Sciences is Australia’s leading academic research institution for Earth science. The School has a reputation for international leadership and innovation, focused on developing and applying new methods, whether experimental, analytical, or computational.

The Senior Lecturer is expected to undertake work in all three areas of academic activity – research, education and service (including outreach). The allocation of time to each area will be discussed with the position supervisor annually and be reflective of appointees’ independent research agenda, school and interdisciplinary teaching requirements and leadership opportunities within the School environment. The Senior Lecturer may also be required to supervise or mentor less senior staff, and undertake leadership roles as applicable. The staff member will contribute cooperatively to the overall intellectual life of the School, College and University.

KEY ACCOUNTABILITY AREAS:
Position Dimension & Relationships:
The Senior Lecturer will be a member of Research School of Earth Sciences, accountable to the Head, Area of Climate and Ocean Geoscience and Director of the School. The Senior Lecturer will be expected to work collegially, leading by example to develop and maintain effective, productive and beneficial workplace relationships within all academic and professional School and College staff, students and honorary appointees, as well as with industry stakeholders. This position will also have a mentoring role for students and will engage in collegial and productive collaborations with local, national and international colleagues.

Role Statement:
In their role as an Academic Level C the Senior Lecturer is expected to:

- Undertake high impact independent research in the area of quantitative climate science (e.g. climate and fluid physics, ocean, atmosphere and/or coupled climate modelling, paleoclimatology) with a view to publishing original and innovative results in international refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
- Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
• Actively contribute to large research consortia in the discipline of climate and ocean geoscience at RSES, such as the Australian Centre for Excellence in Antarctic Science (ACEAS), the Centre of Excellence for Climate Extremes (CLEX) and/or the Centre of Excellence for 21st Century Weather (W21C).

• Make a strong contribution to the teaching activities of the School at undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as a course coordinator, the initiation and development course/subject material and actively lead overall development of courses in the discipline.

• Supervise students working on individual or group projects at undergraduate, honours, and postgraduate levels. Supervision of research students and junior academic staff.

• Proactively contribute to all aspects of the operation of the School and College. This may include representation through committee memberships.

• Lead outreach activities including to prospective students, research institutes, industry, government, the media and the general public.

• Maintain and actively promote high academic standards in all education, research and administration endeavours.

• Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.

• A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

• Other duties as required that are consistent with the classification of the position.

**Skill Base:**

A Level C academic will make a significant contribution to the discipline at the national and international level. In research and/or scholarship and/or teaching they will make original contributions, which expand knowledge or practice in their discipline.

A Level C academic will normally make a significant contribution to research, scholarship, teaching and administration activities at undergraduate, honours and postgraduate level. The academic will normally play a major role or provide a significant degree of leadership in scholarly, research and/or professional activities relevant to the profession, discipline and/or community and may be required to perform the full academic responsibilities of and related administration for the coordination of a large award program or a number of smaller award programs of the institution.
SELECTION CRITERIA:

- A PhD in climate science or a related area, with a strong track record of independent research as evidenced by cited publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations and by other measures such as awards, and invitations to present at prominent conferences etc.
- A track record of articulating and prosecuting innovative research and a vision for the activities they will undertake at the ANU.
- A record of winning bids for competitive external funding to support individual and collaborative research activities.
- Evidence of effective teaching at all levels and of the ability to contribute to setting the education agenda of the School.
- A track record of successfully supervising and graduating high quality PhD/Masters research students.
- Demonstrated ability to lead and work as part of a team, significantly contributing to team management and a demonstrated ability to meet deadlines.
- Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
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Supervisor/Delegate Name: Professor Dorrit Jacob
Date: July 2023

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**NON-IONIZING RADIATION**

- solar
- ultraviolet
- infra red
- laser
- radio frequency

**IONIZING RADIATION**

- gamma, x-rays
- beta particles
- nuclear particles

**CHEMICALS**

- hazardous substances
- allergens
- cytotoxics
- mutagens/teratogens/
carcinogens
- pesticides / herbicides

**BIOLOGICAL MATERIALS**

- microbiological materials
- potential biological allergens
- laboratory animals or insects
- clinical specimens, including blood
- genetically-manipulated specimens
- immunisations

**OTHER POTENTIAL HAZARDS (please specify):**

**Supervisor/Delegate Name:** Professor Dorrit Jacob  
**Date:** June 2023