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## POSITION DESCRIPTION

# Lecturer in Environmental Science Teaching & Research

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Position Level	B
Faculty/Division	Science
Position Number	ADMIN ONLY
Original document creation	12/07/ 2024

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### Context

The University of New South Wales is a member of the Group of Eight research and teaching intensive universities. UNSW is currently ranked 19<sup>th</sup> in the QS World University rankings.

[The School of Biological, Earth and Environmental Sciences](#) is a large, collaborative and multi-disciplinary school in the Faculty of Science at the University of New South Wales with over 160 academic, research and professional staff. In 2023, the school obtained \$19M in research funding, produced over 700 scientific publications and is frequently rated among the top schools across UNSW in student experience surveys. The School incorporates a broad range of disciplines, enabling comprehensive education and research in the broad fields of Earth Science, Environmental Science, Physical Geography, Climate Science, Evolutionary Biology, Ecology and Marine Science.

The School hosts, the [Centre for Ecosystem Science](#), the [Climate Change Research Centre](#), the [Centre for Marine Science and Innovation](#), the [Evolution and Ecology Research Centre](#) and the [Earth and Sustainability Science Research Centre](#). Academic staff are members of the [UNSW Institute of Climate Risk & Response](#), [Sydney Institute of Marine Sciences](#) and the [UNSW Global Water Institute](#). The School is housed in new, state-of-art facilities on the University's Kensington campus.

UNSW was ranked 33<sup>rd</sup> in Environmental Sciences and 30<sup>th</sup> in the Earth and Marine Sciences in the 2024 QS World University rankings. UNSW was ranked 7<sup>th</sup> globally in the 2024 Times Higher Education Impact rankings and 11<sup>th</sup> globally in the 2024 QS Sustainability rankings.

The School has established strong partnerships (including joint appointments) with environmental agencies in state and federal governments, non-government organisations, and research groups around the World. UNSW is a partner in the [NSW Bushfire and Natural Hazards Research Centre](#) and the [NSW Decarbonisation Innovation Hub](#) - Land and Primary Industries Network. Staff and students in the School have access to high performance computing, field stations in arid-zone and coastal NSW, and a wide range of advanced analytical facilities through the University's [Mark Wainwright Analytical Centre](#) –as well as through collaborative facilities with other research institutions across Australia.

UNSW has a flexible work policy, and access to [early child care facilities](#), and strongly committed to being a sustainable and [equitable place of work](#) and study that will stimulate innovation, productivity and progress.

## **Position Summary**

The School is seeking to appoint a Lecturer (Level B academic) in the Environmental Sciences. The purpose of this role is to conduct high quality research, teaching and research student supervision in the field of **environmental science with strong links to state, national and international policy and current environmental management**. The School is interested in an appointment of an Environmental Scientist with a focus on one or more of the following:

- Current environmental threats and solutions for improved environmental management
- Interactions between climate, vegetation, fauna and landscape processes
- Ecosystem sciences across terrestrial, freshwater or marine ecosystems
- Quantitative sciences needed for environmental decision making and management
- Large scale habitat restoration and sustainability
- Translating environmental science to state, national and international policy
- Public communication of scientific research to increase potential impact

The role reports to the Head of the School of Biological, Earth and Environmental Sciences and has no direct reports.

## **Accountabilities**

Specific accountabilities for this role include:

- Conduct of high-quality research in the Environmental Sciences, independently and as part of research teams.
- Publication of scientific papers and reports in highly ranked journals and provision of reports to funding bodies.

- To maintain and grow research through success in application for external research funds, including the national competitive grant schemes and/or contract research.
- Supervision of research students enrolled in Honours, Masters and PhD degrees.
- Teaching and coordination of units within undergraduate degree programs, including use of digital educational platforms.
- Contribute to curriculum and course development in teaching programs within the School of Biological, Earth and Environmental Sciences
- Contribution to the objectives of relevant research centres and groups within the university.
- Engage in public communication of research results and their implications
- Build relationships with internal and external stakeholders (e.g., UNSW Centres, Commonwealth and State Governments, collaborating Universities, industry partners).
- Participation in major conferences and/or workshops relevant to the disciplinary area.
- Contribution to the administration and leadership roles appropriate to the level of appointment within the School as required.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#), the [UNSW Code of Conduct](#) and the University's Equity, Diversity, Inclusiveness and Sustainability objectives.
- Comply with all health and safety policies and procedures of the university.

### **Skills and Experience**

- A PhD in Environmental Sciences or related sciences.
- Demonstrated excellence in research.
- A strong track record of publications in top-tier journals and conference presentations (relative to opportunity).
- Capacity to secure research funding from competitive grant schemes and other sources and/or obtain research contracts (relative to opportunity), including fellowships.
- Capacity to work within, and commence building, a research team and attract higher degree research students
- Capacity to establish collaborations with external agencies and non-government organisations to deliver science that can impact environmental policy, management or practice.
- Capacity to deliver high quality and engaging teaching in undergraduate courses, at introductory and advanced levels, including digital delivery of course content.
- Strong interpersonal skills with demonstrated ability to communicate and interact with a diverse range of stakeholders, the public and students.
- Excellent communication, organisation and presentation skills.
- A commitment to the collaborative and inclusive culture of the School.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Ability and capacity to implement required UNSW health and safety policies and procedures.

## **Pre-employment checks required for this position**

- Verification of qualifications

### **About this document**

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.