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POSITION DESCRIPTION

Senior Lecturer Stratospheric Physics

Faculty/Division	UNSW Canberra (ADFA)
Classification Level	Academic C
Hours & Span (Category)	ACADEMIC POSITION NO SPAN
Position number	OOO11880
Shiftwork status	ACADEMIC POSITION
Allowances	NA
On call arrangements	NA
Original document creation	8 August 2024

Position Summary

A Senior Lecturer (Level C) will conduct high quality research and make a significant contribution to educational excellence in the School and Faculty.

The incumbent, **based at UNSW Canberra**, will assume the role of Station Director at the Balloon Launching Station (BLS) in Alice Springs, a facility funded by NASA. Stratospheric balloon flights, involving NASA or other space agencies, take place periodically from the site. The Station Director has the responsibility to maintain Australian control for all flights.

The role of Senior Lecturer reports to Head of School and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

Teaching

- Apply a well-defined teaching philosophy and a critically reflective teaching practice that inspires student learning.
- Conduct classes, assess student learning achievements, and support students in both postgraduate and undergraduate courses in line with UNSW policy.

- Design and develop learning activities and resources and provide assessment and feedback at both course and program level using a range of suitable approaches and learning environments.
- Support learning progression with students as individuals (through such things as one-to-one consultation) and as a cohort (through general course related advice) to achieve positive learning and employability outcomes for students.
- Manage course administration as Course Authority, including academic quality assurance.

Research

- Make independent contributions to research that have a significant impact in their field of expertise and create a nationally recognised research track record.
- Undertake independent research in discipline or related area (as per the norms of the discipline), making an independent contribution through professional practice and expertise.
- Develop research groups in area of specialist expertise and research methods that are appropriate to the discipline.
- Attract peer recognition and establish research network/s (based on the norms of the discipline) at national level.
- Obtain research income from nationally competitive research grants (and/or research fellowships) and research end-users as a member or leader, at or above the level that is relevant to the discipline in leading universities.
- Mentor and guide students, groups, and colleagues; supervise HDRs to timely completion as primary supervisor; and contribute to HDR review panels.
- Overarching responsibility for the finance and operations of the BLS site, in particular during the Balloon Campaign periods.

Community

- Maintain and develop links within the discipline industry and profession (e.g. contribute to professional development activities).
- Work collaboratively to identify and apply for internal education funding opportunities.
- Make a positive contribution by leading School meetings and seminars and be a member of School/Faculty committees as required.
- Align with and actively demonstrate the Code of Conduct and Values
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

- A PhD in a related discipline, and/or relevant work experience.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- Demonstrated experience in teaching and learning design using a range of pedagogical approaches, development and delivery of courses and programs, at undergraduate and/or postgraduate level.
- Experience of implementing educational technologies and online delivery methods.
- Evidence of teaching effectiveness and passion for educational excellence and fostering this in others.
- Demonstrated success in initiating curriculum development and improvement.
- Demonstrated experience with industry or work-integrated learning.
- Evidence of ability to support and inspire students from diverse backgrounds and support student equity diversity and inclusion initiatives.
- Demonstrated track record in research with outcomes of high quality and high impact with clear evidence of the desire and ability to continually achieve research excellence as well as the capacity for research leadership.
- Experience in successfully recruiting and supervising high calibre students.
- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Evidence of highly developed interpersonal and organisational skills.
- Demonstrated ability to interact with the profession and industry and attract funding for learning and teaching initiatives.
- Demonstrated aptitude in the field of Atmospheric physics, astrophysics, electronics, stratospheric ballooning
- Demonstrated ability to manage large scale projects including contract negotiations, tender evaluations, risk management plans, and budgets.
- Knowledge and understanding of ionising and non-ionising radiation physics and protocols.
- Ability to develop strong relationships with key stakeholders in relation to the activities undertaken at BLS (Airservices Australia, CASA, ACMA, Alice Springs Airport Management)
- Possess a sound, practical understanding of risk, and the ability to make informed, sensible decisions under pressure.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

Pre-employment checks required for this position

- Verification of qualifications
- Criminal History Check
- Identification Check
- Australian Work Rights Check

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.