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POSITION DESCRIPTION

Senior Lecturer Experimental Condensed Matter Physics

Faculty/Division	UNSW Canberra (ADFA)
Classification Level	Academic C
Hours & Span (Category)	ACADEMIC POSITION NO SPAN
Position number	00011877
Shiftwork status	ACADEMIC POSITION
Allowances	NA
On call arrangements	NA
Original document creation	8 August 2024

Position Summary

The primary focus of this appointment is to increase the School's capacity for teaching and research. The Senior Lecturer will be expected to contribute to the School's teaching program through course delivery, course development and demonstrated research areas related to condensed matter.

A Senior Lecturer (Level C) is expected to carry out activities to develop their scholarly research and professional activities both nationally and internationally and to contribute significantly to achieving the teaching and service missions of the School and Faculty.

The role reports to the Head of the School of Science 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.
- Manage course administration as Course Authority, including academic quality assurance.

Research:

- Make independent contributions to research that have a significant impact in the field of experimental Condensed Matter Physics and create a nationally recognised research track record.
- Undertake independent research in experimental Condensed Matter Physics, leading and developing an established research group.
- Attract peer recognition and establish research networks at a 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.

Community:

- Mentor and guide students, groups, and colleagues; supervise HDRs to timely completion as primary supervisor.
- 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.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).
- 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 experimental condensed matter physics or a related discipline.
- Expertise in cryogenic techniques and in performing measurements at low temperatures.
- Proven commitment to proactively keeping up to date with discipline knowledge and developments.
- Demonstrated track record in experimental Condensed Matter Physics 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.
- Evidence of ability to support and inspire students from diverse backgrounds and support student equity diversity and inclusion initiatives.
- 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 ability to work in a team, collaborate across disciplines and build effective relationships.
- Experience in successfully recruiting and supervising high calibre students.
- Demonstrated ability to interact with the profession and industry and attract funding for learning and teaching initiatives.
- 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.