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POSITION DESCRIPTION

Lecturer in Nuclear Physics

Position Level	Level B
Faculty/Division	UNSW Canberra (ADFA)
School	School of Science
Position Number	00125103
Original Document creation	02/08/2022

Position Summary

The Position of Lecturer in Nuclear Physics will contribute to the teaching and research activities of the School of Science. In particular, the Position will be involved in developing and teaching an introductory course into nuclear power and associated radiation protection as they are relevant within a military context. This may include the online delivery of an intensive mode version of the course. Furthermore, the Position will contribute to the School's international profile by conducting scholarly research and by supervising research students. The Position will also participate in other physics teaching and assist the effective functioning of the School by undertaking some administrative duties.

The role of Lecturer in Nuclear Physics reports to Professor JD Dewsbury (HoS).

Accountabilities

Specific accountabilities for this role include:

- A Level B academic is expected to make contributions to the teaching effort of the institution and to carry out activities to maintain and develop their scholarly, research and/or professional activities relevant to the profession or discipline.
- Specific duties required of a Level B academic may include:
 - The conduct of internationally recognised research.
 - Effective teaching of the subject material.
 - Consultation with students.
 - The preparation and development of lectures, tutorials, workshops and teaching laboratories, including intensive mode online delivery, with advice of more senior academics.
 - Acting as subject coordinator.
 - Marking and assessment.

- The preparation and delivery of seminars.
 - Supervision of the program of study of honours students or of postgraduate students engaged in course work.
 - Supervision of major honours or postgraduate research projects.
 - Involvement in professional activity.
 - A range of administrative functions the majority of which are connected with the subjects in which the academic teaches.
 - Attendance at meetings and/or membership of a number of School or Faculty committees.
- A Level B academic will have qualifications and/or experience recognised by the institution as appropriate for the relevant discipline area. In many cases a position at this level will require a doctoral or masters qualification or equivalent accreditation and standing. In determining experience relative to qualifications, regard is had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or to technical achievement.
 - Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).

Skills and Experience

- Nuclear Physics, as it is relevant to nuclear structure, nuclear reactions, nuclear power, radiation protection and nuclear engineering.
- Demonstrated excellence in research evidenced by a PhD in Nuclear Physics or Applied Nuclear Physics and a strong international publication record.
- Capacity to teach nuclear physics, nuclear physics applications and other physics subjects, in lectures, tutorials and teaching laboratories.
- Capacity to develop and teach online courses.
- Experience delivering high-quality undergraduate teaching at a range of levels including convening courses, including online delivery of content.
- Capacity to secure research funding from competitive grant schemes and other sources relative to opportunity.
- Capacity to work within, and build up, strong research teams including attracting HDR students.
- Capacity to positively contribute to activities and initiatives.
- Knowledge of health and safety responsibilities and the ability and capacity to implement required UNSW health and safety policies and procedures.

Pre-Employment checks required for this position

- Verification of Qualifications
- Criminal History Check
- Identification Check
- Australian Working 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.