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POSITION DESCRIPTION

Lecturer or Senior Lecturer in Aerospace Engineering (Education Focused)

Position Level	Level B/C
Faculty/Division	-----
Position Number	00203294
Original Document creation	

Position Summary

UNSW's Education Focussed roles (EF) enable academics to specialise in education and devote their time to delivering high-quality teaching and pursuing initiatives to enhance the educational experience of our students. Those who are appointed to this prestigious specialisation will be expected to successfully drive educational excellence in aerospace engineering within the university's teaching and learning communities.

The EF role Aerospace Engineering is expected to develop and deliver courses into our Aerospace Engineering program, including relevant topics in flight dynamics and control, avionics and aerospace systems, and aerospace structural design.

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

Lecturer (Level B)

Accountabilities

Specific accountabilities for this role include:

- Demonstrate and continuously develop a well-defined teaching philosophy that inspires student learning.
- Conduct classes, assess student learning achievements and support students in postgraduate and undergraduate courses in the field of aerospace engineering.

- Design and develop learning activities and resources, and assessment and feedback using a range of suitable approaches and learning environments.
- Initiate the development of experimental approaches to teaching and learning with the support of more senior academics.
- Support learning progression with students as individuals (through such activities 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.
- Maintain professional development in pedagogy, disciplinary knowledge and minimum professional accreditation requirements (where relevant).
- Make a positive contribution to School meetings and seminars and be a member of School/Faculty committees as required.
- Deliver high quality teaching and student experience utilising sound pedagogical methodologies and innovative technologies and from time to time, deliver teaching across a broad engineering discipline.
- Design and develop learning activities, resources, and 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.
- Work collaboratively with peers across the Faculty and UNSW in all aspects of academic endeavour and contribute to mentoring of other staff.
- Involvement in broad administrative functions of the School and/or University, coordination of subjects, attends departmental and/or faculty meetings, involvement in Open Days and recruitment activities and play a major role in planning and/or committee work or other responsibilities, as directed by Head of School.
- Ensure hazards and risks are identified and controlled for tasks, projects and activities that pose a health and safety risk within your area of responsibility.
- Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.
- Cooperate with all health & safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the psychosocial or physical health and safety of yourself or others.

Lecturer (Level B)

Skills and Experience

- A PhD in Aerospace Engineering or related area.
- Demonstrated track record of educational excellence in aerospace/space engineering, including but not limited to flight dynamics and control, avionics and aerospace systems, and/or aerospace structural design.
- Demonstrated ability and willingness to deliver high quality and innovative teaching and student experience to both undergraduate and postgraduate students in aerospace engineering.
- Demonstrated ability to interact with the profession and industry.
- High level communication skills and ability to network effectively and interact with a diverse range of students and staff.

- Demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- Willingness to undertake any compliance and supervisor training as required.
- Actively stays up to date with the discipline knowledge and development.
- 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 experience with industry or work-integrated learning.
- Demonstrated success in initiating curriculum development and improvement.
- Evidence of highly developed interpersonal and organisational skills.
- Evidence of ability to support and inspire students from diverse backgrounds and support student equity diversity and inclusion initiatives.
- 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 & safety (psychosocial and physical) responsibilities and commitment to attending relevant health and safety training.

Senior Lecturer (Level C)

Accountabilities

- 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 the field of aerospace engineering.
- Design and develop learning activities and resources, and assessment and feedback at both course and program level using a range of suitable approaches and learning environments.
- Lead the design/development of experimental approaches to teaching and learning and participate in the exchange of these approaches with colleagues.
- Maintain and develop links within the discipline industry and profession (e.g. contributes to professional development activities).
- Work collaboratively to identify and apply for internal education funding opportunities.
- Maintain professional development in pedagogy, disciplinary knowledge and professional accreditation requirements (where relevant).
- Make a positive contribution by leading School meetings and seminars and be a member of School/Faculty committees as required.
- Actively engage and contribute to UNSW's Education Focused community driving educational excellence across the university.
- Work collaboratively with peers across the UNSW in all aspects of academic endeavour, develop learning and teaching strategies and resources and contribute to an exchange of teaching ideas, and mentoring of staff.

Senior Lecturer (Level C)

Skills and Experience

- A PhD in Aerospace Engineering or related area.
- Actively stays up to date with discipline knowledge and development.
- Demonstrated track record of education excellence in aerospace/space engineering, including but not limited to flight dynamics and control, avionics and aerospace systems, and/or aerospace structural design.
- 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 experience with industry or work-integrated learning.
- Evidence of professional development of teaching practice in self and others with the ability to advance and lead an inclusive culture of excellence in learning and teaching.
- Demonstrated success in initiating curriculum development and improvement.
- Evidence of highly developed interpersonal and organisational skills.
- Evidence of ability to support and inspire students from diverse backgrounds and support student equity diversity and inclusion initiatives.
- 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

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.