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POSITION DESCRIPTION

Associate Lecturer/Lecturer Education Focused

Faculty/Division	Engineering
Classification Level	Academic Level A or B
Hours & Span (Category)	ACADEMIC POSITION NO SPAN
Position number	00198021
Original document creation	17 June 2024

Position Summary

The UNSW Digital Grid Futures Institute (DGFI) is looking for a full-time academic resource to develop microcredential short course content. One function of this role includes developing, coordinating and delivering a suite of short course modules aimed at electrical engineers going into the green hydrogen sector. This role will help to further the work performed under the Microcredentials Pilot for Higher Education scheme, which the DGFI won funding from in 2023. Another function of this role will be to assist with the development of a framework of career pathways related to decarbonisation and the energy transition to renewables.

The role of Associate Lecturer/Lecturer reports to the Lead Technology Translator and has no direct reports.

Level A Accountabilities

Specific accountabilities for this role include:

- Demonstrate a well-defined teaching philosophy that inspires student learning.

- Conduct classes, assess student learning achievements and support students in line with UNSW policy and with guidance of more senior academics.
- Design and develop learning activities and resources, and assessment and feedback using a range of appropriate approaches and learning environments with the support of more senior academics.
- Contribute to the development of experimental approaches to teaching and learning led by 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, 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
- 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
- Facilitate the creation of short lecture videos for the microcredential short courses.
- Build a database of skills required in the energy transition and then scope the career pathways based on these skills.
- Help to identify resources for the development and delivery (within UNSW and outside), of the microcredentials and award course, with maximum cost efficiencies.
- Assist with the development of the commerciality and business case, for each microcredential and the award course, by conducting a market viability assessment process.
- Create storyboards, personas and associated competencies (as per Competency framework provided by TRaCE education team) for each microcredential and the award course.
- Align with and actively demonstrate the [Code of Conduct and Values](#)
- 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.

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 line with UNSW policy.
- 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.
- 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.
- Develop teaching resources, learning outcomes, learning activities and assessment for a suite of short courses, most of which will be targeted to electrical engineers working in the green hydrogen sector.
- Coordinate and deliver one or more microcredential short courses.
- Assist with the design and development process for the inclusion of the award course as a Special Topics 6UOC master's course in the School of Electrical Engineering, UNSW.
- Assist with seeking feedback from industry partners and the TRaCE team to optimise the content and delivery of the short course modules.
- Help to identify resources for the development and delivery (within UNSW and outside), of the microcredentials and award course, with maximum cost efficiencies.
- Align with and actively demonstrate the [Code of Conduct and Values](#).
- 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.

Level A Skills and Experience

- A PhD in Electrical Engineering and Telecommunications, and/or relevant work experience. Preferably an education research student who has experience with the technical content and designing education and digital design content for engineering courses.
- Proven project management experience, with an in-depth understanding of the project life cycle and strategic development of project plans, objectives and documentation.
- Excellent time management skills, with a demonstrated ability to respond to changing priorities, manage multiple tasks and meet competing deadlines by using judgement and initiative.
- Demonstrated ability to work collaboratively and productively within a team, but also to take initiative and work independently while managing competing demands.

- Actively stays up to date with discipline knowledge and developments
- Demonstrated experience in and passion for teaching and learning design, development and/or delivery at undergraduate and/or postgraduate level.
- Knowledge of educational technologies and online delivery methods.
- A strong commitment to work-integrated learning (desirable)
- Experience engaging students and fostering independent learning through meaningful assessment and helpful feedback.
- Evidence of and/or preparedness to undertake professional development of teaching practice.
- Evidence of highly developed interpersonal skills.
- Evidence of ability to support and inspire students from diverse backgrounds and support student equity diversity and inclusion 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.

Level B Skills and Experience

- A PhD in a related discipline, and/or relevant work experience.
- Actively stays up to date with discipline knowledge and professional development.
- Demonstrated experience in teaching and learning design, development and delivery at undergraduate and/or postgraduate level.
- Experience using and/or designing with educational technologies and online delivery methods.
- Evidence of teaching effectiveness and passion for educational excellence (e.g. relevant discipline-based curriculum design and development at a variety of levels and scales).
- Demonstrated knowledge of industry or experience of work-integrated learning (desirable).
- 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.
- 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.
- Demonstrated success working effectively and collaboratively on initiatives with a range of people at different levels within an organisation.
- Strong negotiation skills and the ability to liaise with a diverse range of people from industry and academia at different levels in their organisations.

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.