



POSITION DESCRIPTION

School of Electrical, Mechanical and Infrastructure Engineering

Faculty of Engineering and Information Technology

Lecturer (Education Specialist)

POSITION NO	0062527
CLASSIFICATION	Level B, Education Focussed
SALARY	\$119,231 - \$141,581 p.a.
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Full time (1 FTE)
BASIS OF EMPLOYMENT	Continuing Applications for part-time or other flexible working arrangements will be welcomed and will be fully considered subject to meeting the inherent requirements of the position
OTHER BENEFITS	https://about.unimelb.edu.au/careers/staff-benefits
HOW TO APPLY	Online applications are preferred. Go to http://about.unimelb.edu.au/careers , select the relevant option ('Current Opportunities' or 'Jobs available to current staff'), then find the position by title or number.
CONTACT FOR ENQUIRIES ONLY	Electrical and Electronic Engineering: Gavin Buskes g.buskes@unimelb.edu.au Mechanical Engineering: Jimmy Philip jimmy@unimelb.edu.au Infrastructure Engineering: Stephan Winter winter@unimelb.edu.au

For information about working for the University of Melbourne, visit our website:
about.unimelb.edu.au/careers

Acknowledgement of Country

The University of Melbourne acknowledges the Traditional Owners of country throughout Australia. The University recognises the unique place held by Aboriginal and Torres Strait Islander peoples as the original custodians of country and their continued connection to the land, waterways, songlines and culture. The University respects all Aboriginal and Torres Strait Islander People and warmly embrace those students, staff, Elders and collaborators who identify as First Nations.

Commitment to Diversity and Inclusion

The Faculty of Engineering and Information Technology (FEIT) is committed to creating a diverse and inclusive environment that welcomes and values all people. We recognise that diversity is essential in contributing to the success of the Faculty. Women, Aboriginal and Torres Strait Islanders, the LGBTIQ+ community, people living with disability and those from a culturally and linguistically diverse background, are strongly encouraged to apply.

Position Summary

As a Lecturer within the School you will undertake independent teaching within the undergraduate and postgraduate teaching programs. You will work closely with subject coordinator/s and be supervised by the Deputy Head of Department (Academic), you will actively contribute to teaching innovation and the quality of the student experience, and student learning, while also undertaking related administration, including subject coordination, grading and processing of results. Your teaching responsibilities will be focused on design and delivery of lectures, tutorials, workshops in specific subjects related to your area of expertise, grading, and subject administration.

The successful applicant will be a committed and engaging educator and have an appreciation of the Department's curricula.

As a Lecturer with an education focus, you will be recognised as an outstanding educator in your field, including a capability to make a strong contribution to the department's reputation for effective and innovative educational practice. You will have deep disciplinary knowledge and have well-established academic skills and a demonstrated record of strong academic performance, especially in education and learning. You will undertake scholarly activities and coordinating and/or leading the activities of other staff.

You will engage in professional development, including peer review of teaching, and take an evidence-informed approach to improvement of teaching and learning practices to support strong educational outcomes and impact. The role will also provide an opportunity to lead and contribute to research and scholarship related to teaching and learning in the relevant disciplines, supporting the dissemination of evidence-based knowledge about effective curriculum design, modes of delivery (such as the study of new technologies in teaching) and student learning experience with other colleagues in the Department, and contributing to a strong culture of teaching innovation.

You will grow a portfolio of quality scholarly outputs and relevant grant applications.

1. Key Responsibilities

1.1 CONTRIBUTION TO EDUCATION

- Undertake independent teaching in a discipline area of expertise or related area, including the design, review and delivery of lectures and tutorials in the required mode to a high standard, and timely preparation that allows subject coordinators and other tutors to provide responses and feedback prior to delivery in accordance with tutorial guidelines and relevant content available on LMS.
- Coordinate subjects and supervise other education focused faculty members involved in co-delivery of subjects namely the Graduate Researcher Associate cohort.
- Assist in designing and preparing assignments, problem sheets, quizzes to a high standard (including timely preparation that allows the subject coordinators and other tutors to provide feedback prior to release) in close discussions with the subject coordinator.
- Work with subject coordinators on innovating and undertaking continuous improvement of subject design or subject content and develop and implement learning strategies to improve learning outcomes as evidenced by, for example, student feedback.
- Carry out academic duties related to the coordination of subjects as advised by the supervisor.
- Consult with individual students, in person and online, in relation to readings, weekly topics, assessment and skills development contemporaneous with the weekly tutorials/activities.
- Effectively and efficiently communicate with the student cohort via LMS and address frequently asked questions in relation to tutorials and assessment.
- Mark and provide timely feedback to students on work submitted for assessment.
- Report matters of academic integrity using the relevant Department/School process.
- Contribute to promoting and supporting pedagogical excellence in the department's teaching.

1.2 RESEARCH AND RESEARCH TRAINING

- Assist in obtaining funding from internal or external sources for teaching improvement projects and attainment of external research grant income.
- Contribute to teaching-related research by applying evidence-based approaches to evaluate teaching, such as running surveys, or providing statistics of student participation or student success.
- Support any benchmarking of teaching and education in the department.
- Exercise leadership in scholarly research, in conjunction with other colleagues.
- Publish of papers in reputable journals and conferences (if applicable).

1.3 LEADERSHIP AND SERVICE

- Supervise the Graduate Researcher Associate cohort.
- Participate in industry engagement activities such as student placements and industry nights.
- Participate in community liaison activities such as student events and school visits.

- Work with the relevant professional teams to provide academic management for the FEIT outreach programs.
- Attend and actively participate in departmental seminars, meetings and/or committee memberships.
- Assist the course coordinators in maintaining up-to-date and orderly records of teaching-related documentation for the purpose of accreditation, and other course-improvement-related activities.
- Collaborate with Teaching and Learning Laboratory colleagues, and education-focused colleagues to create a community of practice and identify training and development opportunities for Graduate Research Associate cohort.

1.4 OTHER JOB RELATED INFORMATION

- This position requires the incumbent to hold a current and valid Working with Children Check.
- As required under the Australian Tertiary Education Quality Standard Agency's (TEQSA) Higher Education Standards Framework, you will be expected to have a qualification at a level above that you are engaged to teach or demonstrate that you have relevant professional or industry experience in the field.

2. Selection Criteria

2.1 ESSENTIAL

- Recent, relevant tertiary level teaching experience.
- Have completed or be near completion of a PhD in relevant engineering field or a related discipline or equivalence.
- Demonstrated ability to prepare and deliver high quality teaching and learning materials, face to face, or online (where relevant).
- Demonstrated ability to lead initiatives that contribute positively to educating, engaging, and supporting students.
- Experience in fostering student development in Lectures, tutorials or workshops with an ability to develop curiosity and independence in learning and contribute to the student's ability in critical thinking.
- Excellent verbal and written communication skills, including the capacity to explain subject material plainly and helpfully.
- Demonstrated ability to effectively disseminate key information across various platforms, ensuring accessibility and engagement of diverse audiences.
- Demonstrated ability to improvise and adapt to new demands and priorities, including exploring and implementing different teaching methods;
- Demonstrated ability to work with students and staff from a range of cultural backgrounds;
- Excellent organisational skills, including the ability to develop clear teaching plans and timelines, manage your own time and to coordinate activities of casual teaching staff;
- Excellent computer skills, including proficiency in the use of Microsoft Office, email and student learning management systems.

2.2 DESIRABLE

- A teaching qualification.
- A sound understanding of engineering education pedagogy.
- A demonstrated record of developing and implementing innovative education and teaching practices.
- Relevant industry experience and networks.
- Experience in the design and development of face-to-face and eLearning instructional materials.
- Experience with general academic administration such as assisting with subject coordination, course advice and examination or equivalent, and development of curriculum resources.
- Experience in leading teaching teams.

3. Other Information

3.1 DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

The Department of Electrical and Electronic Engineering is a vibrant community of internationally recognised researchers focused on addressing major challenges in Power Systems; Computation and Communication Networks; Electronic & Photonic Devices and Materials; and Systems Engineering. We have long-standing, strong partnerships with industry and government that support our researchers in conducting high impact research.

The Department offers both PhD and Masters level research degrees and the postgraduate coursework Masters of Electrical Engineering. Alongside a general Master of Electrical Engineering, specialisation options available include:

- Autonomous Systems
- Low-Carbon Power Systems
- Intelligent Networks and Communications
- Electronics and Photonics
- Business

You can find more information here: <https://electrical.eng.unimelb.edu.au/#study>

The Department also contributes to the Electrical Engineering Systems major in the Bachelor of Science.

Further information about the Department is available at <https://electrical.eng.unimelb.edu.au/>

3.2 DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering is one of the largest in Australia. It provides teaching into subjects in the three-year undergraduate degrees of Science and Commerce, which can be followed by a two-year professional Master of Engineering. Our graduate coursework degrees include:

- Master of Mechanical Engineering (includes specialisations in Aerospace, Materials, Manufacturing and Business)

- Master of Mechatronics Engineering (includes specialisation in Manufacturing)
- Master of Energy Systems
- Master of Industrial Systems Engineering

You can find more information here: <https://mechanical.eng.unimelb.edu.au/study#graduate>

The Departmental philosophy is to attract and retain the highest quality staff available in order to maintain a vigorous research effort. Our strategic plan is to address the most urgent contemporary problems of our rapidly developing industrial society, with investigations into mechatronics, materials, manufacturing, design, fluid mechanics and thermal sciences. Further information about the Department is available at <https://mechanical.eng.unimelb.edu.au/>

3.3 DEPARTMENT OF INFRASTRUCTURE ENGINEERING

The Department of Infrastructure Engineering sits within the Faculty of Engineering and Information Technology and houses the disciplines of Geomatics, Civil Engineering and Environmental Hydrology and Water Resources.

Our focus is on engineering infrastructure that's sustainable: Infrastructure that considers the natural environment it supports, the social context of access and fairness, as well as the economy.

You'll see this in our research and in the design of our courses, with undergraduate pathways in the Bachelor of Design and the Bachelor of Science right through to our flagship Master of Engineering programs which include:

- Master of Civil Engineering
- Master of Digital Infrastructure Engineering
- Master of Environmental Engineering
- Master of Environmental Systems Engineering
- Master of Energy Systems
- Master of Engineering Structures
- Master of Engineering Management

You can find more information on our programs here:

<https://infrastructure.eng.unimelb.edu.au/study/graduate>

Further information about the Department is available at

<https://infrastructure.eng.unimelb.edu.au/>

3.4 SCHOOL OF ELECTRICAL, MECHANICAL AND INFRASTRUCTURE ENGINEERING

<https://eng.unimelb.edu.au/about/departments/school-of-electrical-mechanical-and-infrastructure-engineering>

The School of Electrical, Mechanical and Infrastructure Engineering (EMI) is comprised of three departments: Electrical and Electronic Engineering, Infrastructure Engineering and Mechanical Engineering. Through the departments, EMI undertakes teaching and research across a range of disciplines that are internationally recognised for their contribution to fundamental research. EMI has several well-established industry linkages and international partnership and is building a vibrant profile of interdisciplinary research, working with industry with an aim to contribute to society. EMI offers a comprehensive range of accredited Master of

Engineering and Master of Information Technology programs taught through the Electrical, Mechanical and Infrastructure departments as well as professional Masters programs. The School has a substantial cohort of research higher degree students.

A major focus of the School is to attract and retain outstanding and internationally recognised academic staff. EMI is committed to increasing the number of female engineers and scientists on its staff.

3.5 FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

The Faculty of Engineering and Information Technology (FEIT) has been the leading Australian provider of engineering and IT education and research for over 150 years. We are a multidisciplinary School organised into three key areas; Computing and Information Systems (CIS), Chemical and Biomedical Engineering (CBE) and Electrical, Mechanical and Infrastructure Engineering (EMI). FEIT continues to attract top staff and students with a global reputation and has a commitment to knowledge for the betterment of society.

FEIT has never been better positioned as a global leader, anchored in the dynamic Asia Pacific region, creating and curating knowledge to address some of the world's biggest challenges. Through our students and our relationships with communities, we can not only respond to society's needs but anticipate and create engineering and IT solutions for the future.

<https://eng.unimelb.edu.au/>

<https://eng.unimelb.edu.au/about/join-feit>

Our ten-year strategy, FEIT 2025, is our commitment to bring to life the University-wide strategy Advancing Melbourne and reinforce the University of Melbourne's position as one of the best in the world.

To achieve our ambitions, we will continue to build new infrastructure to enable our teaching, research and engagement; we continue to recruit outstanding people from around the world; and we continue to attract high-quality students from across the globe who are at the heart of our enterprise.

<https://eng.unimelb.edu.au/about/feit-2025>

<https://eng.unimelb.edu.au/about/mse-2025>

3.6 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville is recognised as the hub of Australia's premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide-range of knowledge-based industries. With outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

The University employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded.

Further information about working at The University of Melbourne is available at <http://about.unimelb.edu.au/careers>

3.7 ADVANCING MELBOURNE

The University's strategic direction is grounded in its purpose. While its expression may change, our purpose is enduring: to benefit society through the transformative impact of education and research. Together, the vision and purpose inform the focus and scale of our aspirations for the coming decade.

Advancing Melbourne reflects the University's commitment to its people, its place, and its partners. Our aspiration for 2030 is to be known as a world-leading and globally connected Australian university, with our students at the heart of everything we do.

We will offer students a distinctive and outstanding education and experience, preparing them for success as leaders, change agents and global citizens.

We will be recognised locally and globally for our leadership on matters of national and global importance, through outstanding research and scholarship and a commitment to collaboration.

We will be empowered by our sense of place and connections with communities. We will take opportunities to advance both the University and the City of Melbourne in close collaboration and synergy.

We will deliver this through building a brilliant, diverse and vibrant University community, with strong connections to those we serve.

The means for achieving these goals include the development of the University of Melbourne's academic and professional staff and the capabilities needed to support a modern, world-class university. Those means require a commitment to ongoing financial sustainability and an ambitious infrastructure program which will reshape the campus and our contribution to the communities we engage with. This strategy, and the priorities proposed, is centred around five intersecting themes; place, community, education, discovery and global.

3.8 EQUAL OPPORTUNITY, DIVERSITY AND INCLUSION

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion, and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the Advancing Melbourne strategy that addresses diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence and reach the targets of Advancing Melbourne.

3.9 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at <https://about.unimelb.edu.au/strategy/governance>

4. Occupational Health and Safety (OHS)

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<https://safety.unimelb.edu.au/people/community/responsibilities-of-personnel>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.