



POSITION DESCRIPTION

Teaching and Learning Laboratory
Faculty of Engineering and Information Technology

Lecturer (Engineering and Computing Education)

POSITION NO	0054859
CLASSIFICATION	Level B
SALARY	\$110,236 - \$130,900 p.a.
SUPERANNUATION	Employer contribution of 17%
WORKING HOURS	Full-time
BASIS OF EMPLOYMENT	<p>Fixed-term position for 2 years</p> <p>The University of Melbourne is strongly committed to supporting diversity and flexibility in the workplace. 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</p>
OTHER BENEFITS	https://about.unimelb.edu.au/careers/staff-benefits
HOW TO APPLY	<p>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.</p>
CONTACT FOR ENQUIRIES ONLY	<p>Professor Sally Male Email sally.male@unimelb.edu.au</p> <p><i>Please do not send your application to this contact</i></p>

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. Those seeking support in submitting an application are welcome to contact the HR team at feit-hr@unimelb.edu.au

Position Summary

The Lecturer (Engineering and Computing Education) will work in the Teaching and Learning Laboratory in the Faculty of Engineering and Information Technology and will be responsible for providing leadership in relation to curriculum development, implementation and assessment in the Faculty. Working under the broad direction of the Director of the Laboratory, the Lecturer will enhance approaches to support student learning and engagement by drawing on research in engineering and computing education and related fields, to align with the strategic direction of the Faculty. The position will be responsible for leading and coordinating: evidence-based programs to enhance teaching capability, evidence-based projects to support staff to enhance teaching and learning, and research to inform and evaluate initiatives to enhance teaching and learning. The Lecturer will drive significant contributions towards learning and teaching, and research in engineering education or a related field.

1. Selection Criteria

- ▶ Completed a PhD in engineering or computing education or a relevant discipline, or be close to completion
- ▶ A strong record of effective teaching: coordinating, lecturing, and facilitating/demonstrating or tutoring in higher education, preferably in one of the disciplines of the Faculty and experience in the design, delivery and assessment of curriculum in higher education
- ▶ Experience in designing and delivering effective professional development workshops, and educational programs across a range of subjects, seminars and other teaching and learning support for teaching staff in higher education
- ▶ Demonstrated capacity to influence and enhance educational policies and practices
- ▶ A solid understanding of contemporary issues in teaching and learning in engineering education, in particular those relating to project-based learning and authentic learning activities and assessments
- ▶ Evidence of high quality publications in engineering or computing education research and demonstrated success in conceptualising, preparing and managing relevant grants to completion
- ▶ Demonstrated capacity to identify sources of funding to support projects relating to teaching
- ▶ Ability and willingness to work both independently and as an effective member of a team
- ▶ High level of written communication skills
- ▶ High level interpersonal skills

1.1 DESIRABLE

- ▶ Quantitative education research skills
- ▶ Computer programming skills
- ▶ Experience working as an engineer or computing professional in industry
- ▶ Experience actively participating in a research group

- ▶ Experience in curriculum development and implementation at undergraduate and postgraduate level that will maintain the Department's programmes at the highest international standards

2. Key Responsibilities

The position description should be read alongside the University's Academic Career Benchmarks.

2.1 CONTRIBUTION TO TEACHING AND LEARNING

- ▶ Provide strategic advice on best practice in teaching, learning and assessment to staff who teach in the Faculty
- ▶ Monitor, identify and promote engaging, effective and efficient learning approaches, taking advantage of educational technologies to support learning
- ▶ Investigate and communicate contemporary educational issues, practices and technologies, and evidence-based research relevant to engineering and computing education
- ▶ Provide evidence-based teaching and learning support within the Faculty, particularly relating to educational design (e.g., pedagogy, curriculum design and mapping, learning outcomes, assessment, feedback, inclusion, industry engagement, project-based learning, technologies, and effective use of learning spaces and resources)
- ▶ Design, develop, deliver and evaluate learning and teaching projects and/or initiatives on targeted topics, and translate outcomes to selected subjects or programs
- ▶ Design, develop, and deliver a range of professional and curriculum development activities and support (e.g., workshops and training sessions, online resources) aimed at improvement of teaching quality and student engagement for staff who teach in the Faculty
- ▶ Identify sources of funding to support individual or collaborative projects relating to teaching practice in the discipline
- ▶ Demonstrate interest in the continued improvement of teaching quality

2.2 RESEARCH AND RESEARCH TRAINING

- ▶ Communicate and disseminate research on engineering and computing education to enhance impact
- ▶ Produce high quality publications in reputable international journals and other appropriate avenues arising from scholarship and research
- ▶ Exercise leadership in scholarly research, in collaboration with other colleagues
- ▶ Present research workshops and seminars
- ▶ Initiate, lead and collaborate on research projects on engineering and computing education, including projects aimed at attracting external competitive and/or consultant research funding
- ▶ Supervise graduate researchers

2.3 LEADERSHIP AND SERVICE

- ▶ Engage in ongoing professional development in the area of engineering and computing education and higher education, and maintain knowledge of current research, resources and best practice in the field
- ▶ Engage with relevant disciplinary groups
- ▶ Contribute to the intellectual debate within the Faculty, broader University and within the professions and research disciplines, including through active participation in research seminars and conferences.
- ▶ Undertake academic and administrative leadership, through advice on practices for advancing the quality of teaching and learning
- ▶ Take an active role in planning, committee and administrative work suitable to the role
- ▶ Conduct evaluation of teaching and learning within the Faculty
- ▶ Supervise undergraduate, graduate or postgraduate students engaged in coursework or smaller research projects
- ▶ Participate in industry and community liaison activities as arranged by the Faculty
- ▶ Build and foster partnerships with industry, government, collaborators at other universities and other stakeholders that contribute to the engagement of teaching and research in the wider community
- ▶ Actively participate in professional activities including consulting, workshops, meetings of professional societies and short courses for external participants
- ▶ Take a leading role in the Faculty to actively foster and participate in industry liaison activities consistent with the Faculty's business plan
- ▶ Drive and lead committees and/or projects as required
- ▶ Contribute to the scholarly practices in the professional community through active involvement which could include liaison with peak professional organisations for the benefit of students and the Faculty

2.4 OTHER JOB RELATED

- ▶ This position requires the incumbent to hold a current and valid Working with Children Check
- ▶ Occasional work out of ordinary hours, travel, etc
- ▶ Perform other tasks as requested by the Director of the Laboratory
- ▶ Undertake Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities as outlined in Section 4

3. *Equal Opportunity, Diversity and Inclusion*

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 University's People Strategy and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

All FEIT employees are required to behave in a manner that creates; supports and encourages an inclusive and safe work environment for all.

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

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.

5. Other Information

5.1 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>

5.2 THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in [research](#), [learning and teaching](#) and [engagement](#). It's consistently ranked among the leading universities in the world, with international rankings of

world universities placing it as number 1 in Australia and number 32 in the world (Times Higher Education World University Rankings 2017-2018).

The University's 10-year strategy, *Advancing Melbourne* will enable the University to contribute to advancing the state and national interest and make vital contributions to Australia's standing on the world stage. We seek to be a leading force in advancing Australia as an ambitious, forward-thinking country while increasing its reputation and influence globally.

<https://about.unimelb.edu.au/strategy/advancing-melbourne>

Further information about working at The University of Melbourne is available at

<http://about.unimelb.edu.au/careers>