SENIOR LECTURER (EDUCATION-FOCUSED)

DEPARTMENT/UNIT  Civil Engineering
FACULTY/DIVISION  Faculty of Engineering
CLASSIFICATION  Level C
DESIGNATED CAMPUS OR LOCATION  Clayton campus

ORGANISATIONAL CONTEXT

Monash is full of thinkers and doers who are looking for their next challenge. So if you’ve forged a rewarding career so far, this role provides the perfect platform to join us. You’ll have access to quality research facilities, infrastructure and teaching spaces to do exciting work, along with opportunities to collaborate internationally. You’ll be part of a university that’s made up of inspirational, challenging thinkers and doers – and continue doing work that makes a lasting impact. Discover more at www.monash.edu.

The Faculty of Engineering is one of the largest in Australia, renowned worldwide for the quality and calibre of our teaching, research and graduates. We offer a comprehensive range of undergraduate, graduate, postgraduate and higher degree by research programs in a wide range of engineering disciplines. Our research activities provide a platform for establishing a thriving educational enterprise and our staff are committed to creating a dynamic learning environment. The research activities range from fundamental studies to research with a strong applications orientation. To learn more about the Faculty of Engineering, please visit our website.

The Department of Civil Engineering aims to provide high quality education, research and professional services globally for the mutual benefit of the students, the staff, the University, industry, the profession and the wider community. We offer several undergraduate and postgraduate coursework degrees. The Department actively pursues innovative and significant multi-disciplinary research to address the challenges for engineering in the 21st century. For more information about us and the work we do, please visit our website.

The Monash Institute of Transport Studies (ITS) is a nationally recognised provider of education and research in transport and mobility with a reputation for excellence over more than fifty years. The staff associated with Monash ITS include academic staff whose formal appointment is in the Department of Civil Engineering, as well as staff at other two campuses including in China (Suzhou) and Malaysia (Sunway). Both undergraduate and postgraduate program in transport and traffic engineering and planning are offered across these three campuses. We provide world-class research in all elements of the sector from policy, to transport planning, construction, traffic management and transport service delivery. Our academic staff are rated in the top 2% of world scientists in the field reported by Elsevier. While according to the 2021 Academic Ranking of World Universities, Monash
was ranked 80th in general, 50th in Civil Engineering and 45th in Transportation Science and Technology in the world. For more information, please see: www.monash.edu/engineering/its.

The University’s strategic plan for 2021-2030 (Impact 2030) is “focused on addressing the challenges of the age for the betterment of our communities, both locally and globally”, actively addressing those challenges in collaboration with government, industry and the community. Monash ITS is well positioned to advance the core goals identified in IMPACT 2030, through excellent research and education, the international reach of its activities and its strong record of developing enduring alliances and partnerships with industry, government and other organisations. Supporting the expertise in Monash ITS “will enrich our ability to innovate, to infuse our students and staff with enterprising capabilities, and provide opportunities to apply our research to make a significant impact by developing solutions for the betterment of our communities”. More specially, urbanisation is a global phenomenon which directly affects the future of society. Nevertheless, the magnitude of such challenges implies that no single field of research or profession can tackle them alone.

POSITION PURPOSE

Education-focused staff (as a subset of the Teaching and Research category of employment) at Monash are an elite category of the academy who focus on and contribute to the innovation of education and leading the design and delivery of education at the University. The Senior Lecturer (Education Focused) is expected to make significant contributions to teaching and learning within their faculty and engage in educational leadership at department, school, faculty or University level.

To maximize our impact, we will broaden our portfolio to ensure our academic, interdisciplinary strength in addressing the sustainable transportation related challenges. The Senior Lecturer will use relevant industry and disciplinary experience in sustainable urban transport planning and analytics, and the knowledge, experience and creativity so specialise in innovative modes of course delivery, assessment, curriculum design, and research and/or scholarly activity focused on education.

Reporting Line: The position reports to Head of Department, Civil Engineering

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

This position is a Level C education-focused academic. Level C education-focused academics will engage in educational scholarship, and/or play a leadership role in educational innovation, curriculum design and review.

Some of the duties of a Level C education-focused academic may include:

1. The preparation and delivery of lectures and seminars
2. Course material and resource development
3. Marking and assessment
4. Consultation with students
5. Designing, implementing and reviewing educational innovations
6. Coordinating a major or field of study or award program
7. Engaging in collaborative design or implementation of cross-faculty, cross-campus or team taught units, courses or projects
8. Building learning and teaching capacity in fellow academics within the department, school or faculty
9. Broad administrative function

10. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work

11. Participating in the engagement and collaboration with industry and groups external to the University on education practice and design

12. Research and scholarship for a Level C education-focused academic may include:
   - Innovative curriculum design based on systematic and evidence-based review of teaching methods and techniques
   - Exploring the impact of changes in curriculum design and teaching practice on student learning
   - Publishing educational or disciplinary research in high-quality refereed journals or equivalent
   - Attracting external funding to undertake projects that enhance student or staff learning, teaching and pedagogical implementation
   - Presentations or debates at national or international conferences and forums to promote an evidence-based educational practice that responds to emerging topics of interest to government and industry

13. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
   - Advanced qualifications and/or recognised significant experience in the relevant discipline area. A position at this level will normally require a doctoral qualification or equivalent accreditation and standing. In determining experience relative to qualifications, regard shall be had to teaching experience, experience in research, experience outside tertiary education, creative achievement, professional contributions and/or contributions to technical achievement. In addition, a position at this level will normally require a record of demonstrable scholarly and professional achievement in the relevant discipline area.

Knowledge and Skills

2. High-level interpersonal skills and proven ability to establish a good working relationship with colleagues and students and to develop and maintain strong professional links with relevant industry and the community

3. Expertise in the field of sustainable integrated transport, economic benefit/cost evaluation and/or urban planning and analytics

4. Ability to foster, form and lead government, industry partnerships in one or more areas including practice, governance (policy/regulation), technologies and strategies

5. Provide evidence of success in obtaining funds to support activities including but not limited to research

6. Show evidence of collaboration across disciplines and areas of practice in urban and mobility planning and other sectors such as energy with track record/achievement in at least one topic in sustainable transportation including: active, electric, rail and public transport; transport/infrastructure modelling; emerging technologies and data science

7. Proven ability, commitment and passion for engaging in academic activities, taking a leadership role where appropriate

8. Demonstrated excellence in teaching in the discipline area (i.e. through evaluations, innovation in presentation and through curriculum development)
9. A good scholarship/research record as evidenced by publications in high-quality refereed journals or equivalent (e.g. textbooks or teaching resources) and where appropriate the securing of external funding

10. Ability to plan, organise and achieve work targets, sometimes in demanding circumstances and work harmoniously and constructively with academic colleagues and other University staff

11. Ability to promote the discipline both within the University and to the greater community

12. Proven experience mentoring and supervising coursework and HDR students

13. Record of obtaining external funding, or of assisting others to do so

14. Evidence of participation and high-quality contribution to school, faculty and University committees

OTHER JOB RELATED INFORMATION

- Travel to and block teaching at other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.