

Position description

Lecturer

Department/Unit	Civil Engineering
Faculty/Division	Faculty of Engineering
Classification	Level B
Work location	Clayton campus
Date document created or updated	12 October 2016

Organisational context

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit 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: www.eng.monash.edu.au

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 degrees as well as postgraduate coursework degrees via Off Campus Learning. 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: www.eng.monash.edu.au/civil

The **Monash Institute of Transport Studies** operates within the Civil Engineering department at Monash University. Monash ITS is the ARC Key Centre in Transport Management in Australia and is internationally recognised for its transport research and education programs. Monash ITS has five academic staff and three research fellows based on the Clayton Campus; and two other academic staff based at the Monash-SEU Joint Graduate School located in Suzhou, China. The group is also expanding with transport staff located in civil engineering at the Monash Malaysia campus in Kuala Lumpur. Further information about the activities of ITS (Monash) are available from: www.eng.monash.edu.au/civil/research/centres/its/research

ITS Monash is focussing its research in two thematic areas:

- Multimodal urban transport system monitoring, modelling and optimisation: utilising advanced mathematical, optimisation and data mining techniques to study large transport networks and land use characteristics of smart cities
- Enhancing transport system sustainability, safety and resilience: understanding and influencing human behaviour and the social, environmental and economic impacts of transport on our cities

Position purpose

The Lecturer is responsible for maintaining and developing their scholarship, research and/or relevant professional activities, as well as making significant contributions to the teaching effort of the University. The incumbent will utilise their strong teaching, communication and research skills, working within the Transport Group in the Department of Civil Engineering in one or more of the above-mentioned areas.

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

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Specific duties required of a Level B academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and studio sessions
2. Development of course material with appropriate advice from and support of more senior staff
3. The initiation and development of subject material
4. The preparation and delivery of lectures and seminars
5. Supervision of major honours or postgraduate research projects
6. Supervision of the program of study of honours students and of postgraduate students engaged in course work
7. The conduct of research
8. Involvement in professional activity
9. Consultation with students
10. Broad administrative functions; the majority of which are connected with the subjects in which the academic teaches
11. Marking and assessment
12. Attendance at departmental, school and/or faculty meetings and a major role in planning or committee work

Key selection criteria

Essential criteria

1. An undergraduate degree in Civil Engineering or a closely related discipline, and a doctoral degree in Transport Engineering or a related field
2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Ability to work positively and cooperatively with students, internal and external teams and agencies
4. Demonstrated strong record of teaching experience in a tertiary environment
5. Demonstrated ability to stimulate, actively engage and educate a given audience
6. Proven ability, commitment and passion for engaging in scholarly and research activities
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
8. Demonstrated statistical analysis and manuscript preparation skills; including a solid track record of refereed research publications
9. Demonstrated ability to generate research income, including from both traditional and innovative sources, as well as a proven record of obtaining significant external grants for research

Other job related information

- Travel (e.g. to other campuses of the University) may be required
- There may be peak periods of work during which the taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.