

## Position Description – Lecturer in Mechanical Engineering

Updated 2 May 2025

| POSITION DETAILS    |   |
|---------------------|---|
| College             | College of Science and Engineering              |
| Organisational Unit | Engineering and Design                          |
| Supervisor          | Professor in Mechanical Engineering             |
| Classification      | Academic Teaching & Research (Balanced) Level B |
| Employment Type     | Continuing, full-time                           |

| POSITION SUMMARY   |
|--|
| <p>Mechanical Engineering at Flinders University is based at the new state of the art Campus at <a href="#">Tonsley</a> and the new City Campus, it has been identified as an area of growth. The appointee will contribute to the research and teaching related activities in this area. Candidates from any branch of mechanical engineering or closely related field are encouraged to apply.</p> <p>The Lecturer in Mechanical Engineering will, under routine to general supervision, produce quality research and deliver undergraduate and/or postgraduate teaching in the broad area of Engineering with a particular focus on mechanical engineering.</p> <p>The teaching component includes the development of innovative teaching materials, multi-mode teaching delivery, including face to face and online, and other innovative and contemporary teaching and learning strategies, appropriate for the discipline.</p> <p>This position will make independent high-quality contributions to research and/or creative activity, through activities such as quality publications, external grant acquisition and research student supervision and will also contribute to strengthening existing partnerships or exploring new partnerships with external stakeholders that have potential for providing improved teaching, learning and/or research outcomes for the University.</p> <p>This role will prioritise, coordinate, monitor workflow and provide informal day-to-day feedback to research support staff and casual academic teaching staff according to the University's policies, practices, and standards.</p> |

| UNIVERSITY EXPECTATIONS AND VALUES   |
|--|
| <p>All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:</p> <ul style="list-style-type: none"> <li>• demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence and the underlying ethos of being Student Centred;</li> <li>• contribute to the efficient and effective functioning of the team or work unit to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor;</li> <li>• promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity;</li> <li>• perform their responsibilities in a manner which reflects and responds to continuous improvement; and</li> <li>• familiarise themselves and comply with the University's Work Health and Safety, Injury Management and Equal Opportunity policies.</li> </ul> |

*A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required by Flinders University before the successful applicant can commence in this position.*

#### **KEY POSITION RESPONSIBILITIES**

The Lecturer in Mechanical Engineering is accountable for:

- Planning and delivering ethical, high quality and innovative research through activities such as quality publication, external grant acquisition, scholarship and presentation that aligns with the College's areas of research strength.
- Contributing to the organisation, planning, delivery, and evaluation of teaching primarily within the suite of undergraduate and/or postgraduate topics/courses that fall within engineering and design, through topic coordination, delivery of lectures, tutorials, laboratories, placements or other contemporary teaching strategies.
- Delivering inspiring and innovative teaching informed by approaches that enhance the student experience and support students with academic and/or other challenges impeding their academic progress.
- Focusing and contributing to supervision of research student programs.
- Actively participating in college internal and external quality assurance and accreditation processes.
- Actively participating in high performing multi-disciplinary teams with an education and research focus and contribute to the development of a respectful, trusting, and collaborative working environment.
- Developing and maintaining strategic relationships and networks with a range of stakeholders including industry and professional associations and organisations.
- Actively contributing to the integration and management of aspects of the academic and administrative life of the College.
- Some out of hours work (including weekends) as well as rural SA, interstate, and overseas travel, may be required.
- Any other responsibilities in line with the level of the position as assigned by the Supervisor and/or the University.

#### **KEY POSITION CAPABILITIES**

- Completion of a PhD in a mechanical engineering related area, or equivalent qualification.
- Demonstrated evidence of, or capacity to, undertake high quality teaching in a tertiary environment, including involvement in topic coordination and curriculum design.
- Demonstrated evidence of a strong research track record (for career stage) in an area of mechanical engineering that augments and/or complements the existing research strengths of the University in engineering together with a compelling vision for how their research will evolve in the short, medium, and long terms.
- A growing record of quality research publications and the ability to attract external competitive grants.
- Demonstrated understanding of the nexus between teaching and learning, research and scholarship.
- Demonstrated excellent oral and written communication skills and interpersonal skills, including the demonstrated ability to establish effective relationships with staff, students and industry.
- Experience with using e-learning platforms for teaching purposes.
- Experience and successful track record in supervision of honours and/or higher degree students.