



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Grade 8 Lecturer in Mechanical Engineering

School of Mechanical Engineering, Faculty of Engineering and Physical Sciences



Salary: Grade 8 (£42,149 – £50,296 p.a. depending on experience)

Reporting to: Head of School

Reference: EPSME1086

Closing date: Tuesday 3 May 2022

We will consider flexible working arrangements

Overview of the Role

As a Lecturer in Teaching and Scholarship, your role will be to support the University in its 10-year Curriculum Redefined Programme to transform the educational experience of its students, ensuring that, regardless of their background, all develop the knowledge and skills required to succeed and make a positive impact in the world. You will bring and embrace innovative and evidence-informed approaches to teaching and learning that will deliver inclusive, active and digitally enhanced experiences to all our students.

We are looking to recruit an enthusiastic and motivated individual with expertise in the development and use of active experiential learning methods in Mechanical Engineering and Product Design. Practical activities in the School cover a broad range of applications; design and build, physical testing and experimentation, mechatronics and advanced manufacture. The successful candidate will support the development of teaching and learning resources and approaches to developing disciplinary knowledge, as well as personal, interpersonal, and practical skills.

You will contribute to teaching across our Curriculum, and specialise in innovative modes of course delivery, assessment, curriculum design, and scholarship of teaching and learning (SoTL). With the ability to collaborate effectively and to motivate and inspire learners, you will become a valued academic member of the School of Mechanical Engineering, where you will support innovation in our taught programmes and help introduce new forms of teaching and learning. You will also be part of a diverse and committed community of academics working across the University on our Student Education strategy and will be expected to contribute to its work. This experience will provide you with deep cross-disciplinary experience and an understanding of the University as a whole. We are committed to excellence in Student Education, and you will participate in induction and training events tailored to educators and designed to support you to develop within your career.

The School of Mechanical Engineering is globally renowned for its teaching and research with an established reputation across the spectrum of aerospace, automotive, medical, mechatronics and robotics engineering and product design, with excellent links to industry. We are one of the longest established Mechanical Engineering schools in the UK having formed in 1890, and one of the largest with around 175 members of staff and 1200 UG, 120 PGT and 210 PhD students studying with us. Mechanical Engineering has consistently achieved the highest ratings in the major league tables for both research excellence and teaching.

You will be responsible for teaching undergraduate and postgraduate taught courses. You will also work with colleagues to support them in the introduction of innovative curriculum design and delivery, utilising interactive teaching methods, increased use of technology-enhanced learning, inclusive and authentic learning and assessment, and transdisciplinary approaches to the teaching of major themes, such as sustainability. You will liaise between the School's curriculum review and design team and relevant teams at the Faculty level, as well as working with a wide range of colleagues, students and external stakeholders to develop and promote innovative curriculum



design and delivery. The role also has a significant scholarly commitment, with individuals engaging in scholarly work on teaching and learning that is in line with their discipline(s).

Main duties and responsibilities

As a Lecturer (T&S) your main duties will include:

Teaching and learning:

- Delivering education at different levels on undergraduate and postgraduate taught courses and taking part in other teaching activity, including promoting and developing student competencies related to enquiry and research, core to a research-based education;
- Establishing and maintaining expertise at the forefront of your field/disciplinary area and incorporating this into your teaching;
- Forming part of a University-wide cohort community, taking part in regular events, sharing good practice, and working collaboratively with project teams across the institution;
- Contributing to the planning, design, development, delivery and review of learning units (modules, programmes) within relevant subject areas;
- Playing an active part in the development and adoption of teaching and learning practice in the School;
- Contributing disciplinary pedagogic expertise and experience to areas of the curriculum, facilitating and encouraging colleagues to think creatively and innovatively about development of teaching and learning practice;
- Taking a leading role in the development of teaching and learning practice in the school, with an emphasis on inclusion, active learning, project-based learning and technology-enhanced learning.

Curriculum review and redesign

- Working as part of a team to develop approaches to support educators in their development, e.g. assessment of knowledge and perceived abilities, scholarship of teaching and learning, and review of the effectiveness of innovations;
- Contributing to Equality, Diversity and Inclusion initiatives that create an inclusive learning environment within the school, ensuring we attract and retain the best students from all backgrounds, from across the world and support them to flourish;
- Facilitating and supporting colleagues to use appropriate tools and technology to support and promote curriculum mapping and design;
- Working closely with the Curriculum Redefined project and faculty teams to formulate, implement and evaluate curriculum strategy and ensure it proceeds according to plan;
- Working with Student Education Leadership in the school/ faculty to co-ordinate and communicate timelines across project components.



Education research and scholarly activity:

- Carrying out scholarship of teaching and learning, inform ongoing innovative curriculum design and delivery, and contribute to the thinking and understanding of the sector (e.g. through scholarly publications and posts, discussions, conference participation etc.);
- Contributing to the production of high-quality and innovative learning materials and resources to support learning and teaching in the school and discipline(s);
- Contributing to the development of innovative approaches to teaching and learning;
- Conducting other scholarship activities such as: investigating barriers to attainment in higher education; creating open education resources, contributing to textbooks; and other priorities agreed with the Head of School;
- Contributing to pedagogic research and/or the development of teaching policy and practice, disseminating findings/developments across the wider academic or professional community.

Qualifications and skills

As a Lecturer (T&S) you will have:

Essential

- A postgraduate degree in Mechanical Engineering or equivalent work experience in a relevant field/disciplinary area;
- A technical background that aligns with the taught programmes led by the School of Mechanical Engineering and the ability to teach within the portfolio of modules we offer;
- A proven record of having organised and taught modules at undergraduate and/or postgraduate levels that meet agreed quality assurance measures;
- Experience of proactively developing new teaching approaches and materials in a specialist subject area that aligns with the Schools programmes;
- Experience in the development and implementation of active experiential learning methods in Mechanical Engineering or Product Design;
- Experience of effectively using digitally enabled approaches to learning in a Higher Education or related environment including digital assessment;
- Evidence of contributing to teaching and learning policy and practice within a school/department (or equivalent), discipline or subject area, including experience of module/programme review and enhancement;
- Experience of effectively using digitally enabled approaches to learning in a Higher Education or related environment;
- Evidence of working to promote equality, diversity and inclusion in Student Education, and supporting the needs of a diverse student population.



Desirable

- A PhD or equivalent in a relevant discipline;
- Evidence of significant contributions to the scholarship of teaching and learning, with a record of successfully obtaining resources to deliver a significant educational activity;
- An understanding of policy and strategic issues relating to teaching and learning in Higher Education.

Additional information

Working at Leeds

Find out more about the benefits of working at the University, flexible working and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Our University

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the school we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

Information for disabled candidates

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at hr@leeds.ac.uk

Criminal record information

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but if you are an EEA/Swiss citizen and you were resident in the UK before 31 December 2020, this will be your status under the EU Settlement Scheme.

