Teaching Fellow
Job Ref: REQ210538

As part of the University's ongoing commitment to redeployment, please note that these vacancies may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

Job Description

Job Grade:
Specialist and Supporting Academic Grade 7 pending experience and qualifications

Job Purpose

To contribute to, develop and enhance the activities of the School through bringing direct academic, professional and vocational experience to the School's taught programmes and enterprise activities. To assist with the structure and development of teaching and enterprise activities. To provide teaching, administrative and mentoring support.

We are looking to recruit to **multiple posts** for applicants with experience in or across the following areas:

- **Manufacturing Engineering**
  To support teaching of manufacturing planning and control, supply chain management, lean manufacture, agile manufacture, production and process improvement, incorporating the digital transformation, automation and robotics . Experience with CAD/CAM will be an advantage.

- **Mechanical Engineering**
  To support core engineering science and mathematics subjects including from the following: thermodynamics, fluid mechanics, mechanics of materials, heat transfer, statics and dynamics, control. To support teaching in decarbonised propulsion and digital engineering. Experience with CAD/CAM will be an advantage.

- **Engineering Management**
  To teach essential project management skills and knowledge across our complete range of engineering programmes at undergraduate and postgraduate level. Covering soft skills, company organisation, financial and management accounting, digital project management tools, project control, industrial legislation, quality management systems, risk management, supply chains, and logistics. Knowledge of Systems Engineering and sustainability will be an advantage.

Job Duties are to:
Teaching

- Work with colleagues to deliver an exceptional learning environment for students.
- Teach and inspire undergraduate and postgraduate students and to conduct assessments.
- Provide academic and pastoral support to undergraduate and postgraduate students.
- Promote the use of a range of methods and techniques in teaching, learning and assessment.
- Lead in the evaluation and development of modules for which you are Module Leader, in terms of content, delivery and assessment.
- Responsibility for design and content of specific areas of teaching and learning.
- Cooperate with colleagues in the review and development of taught programmes and curriculum.
- Participate in the design, delivery and supervision of laboratory activities appropriate to the role
- Undertake Academic Tutor roles and visits to students on placement in industry
- Undertake leadership roles in delivery of teaching and curriculum design

Enterprise

- Engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, technology transfer collaboration, consultancy and specialist training.
- Actively support student recruitment including participation in open days, visit days and summer schools

Related Activities and Functions

- Work effectively with relevant administrative, technical and academic staff in the School and across the University.
- Carry out specific administrative roles and functions as may be reasonably required.
- Take part in one or more School committees.
- Chair one or more School committees
- Engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the School.
- Undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

Points to Note

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed.

Special Conditions

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational Responsibility

Reports to the Dean of School.

Person Specification

Your application will be reviewed against the essential and desirable criteria below. Applicants are advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application.

Essential Criteria

Area	Criteria	Stage[a]
Experience	Background in engineering with specific and current expertise relevant to the role in one or more of the following core areas: • Electronics, microelectronics, embedded systems (e.g. FPGAs) • Software engineering / programming • Electrical engineering, drives and machines • Numerical methods in engineering • Mechanical engineering science • Engineering design • Systems engineering	1,2,3
	Of working in a quality academic research or industrial environment.	1
	Knowledge of research issues in area applied for.	1,3
	Of teaching and assessment at under- and post-graduate levels.	1
	Experience of successfully supervising the projects of students or company staff.	1,3
Skills and abilities	To identify social/cultural/economic impacts from professional activity.	2,3
	To present complex information to students with a variety of abilities.	
	To teach & supervise under- and post-graduate students.	1,2
	To provide tutorial and counselling advice to students.	1
	To work independently and as part of a team.	1,3
	Ability / experience of leading a team in an engineering setting	
	To have excellent communication and interpersonal skills.	2
	To have excellent IT skills	1
Training	Commitment to / evidence of continuing professional development.	1,3
	Adopt new procedures as and when required.	1
Qualifications	An outstanding educational profile including first degree and/or Masters in Engineering or a related discipline, together with significant relevant experience and/or a PhD or nearing completion.	1
	Teaching qualification or willingness to achieve this at Loughborough	1,3
Other	Commitment to observing the University's Equal Opportunities policy.	1,3

Desirable Criteria

Area	Criteria	Stage
Experience	Experience of work in, or in collaboration with, business or industry	1
Skills and abilities	Ability to take part in module and programme development.	1,3
	Knowledge of the challenges faced in UK HE.	1
Qualifications	Achieved or progressing towards appropriate professional status.	1

[a] 1 – Application   2 – Test/Assessment Centre/Presentation   3 – Interview

Conditions of Service

The position is full time and open ended. Salary will be on Specialist and Supporting Academic Grade 7 (£41,526 - £49,553 pa), at a starting salary to be confirmed on offer of appointment.

The appointment will be subject to the University's Terms and Conditions of Employment for Staff Grade 6 and above, details of which can be found here.

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html.

The University offers a wide range of employee benefits which can be found here.

In addition, the University is supportive, wherever possible, of flexible working arrangements.

We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The Wolfson School and the University hold Bronze Athena SWAN awards that recognises the importance of support for women at all stages of their academic career.

For further information on Athena SWAN see http://www.lboro.ac.uk/services/hr/athena-swan/

Applications

The closing date for receipt of applications is 29 July 2021. Interviews are likely to take place during weeks commencing 9 / 16 August 2021.