

Job Description

Position:	Associate Lecturer / Lecturer Biomedical and Mechanical Engineering
School:	School of Engineering and Built Environment
Reference:	ENG-262A
Grade:	Associate Lecturer Grade 6 / Lecturer Grade 7
Status:	Permanent
Hours:	Full Time
Responsible to:	Academic Operational Lead
Responsible for:	Delivery of teaching, assessment, curriculum development and associated research and enterprise initiatives.

Main Function of the Post:

- To teach on undergraduate and postgraduate programmes across biomedical and mechanical engineering portfolio and contribute to the management of these programmes wherever possible.
- To contribute to the development of all facets of biomedical and mechanical engineering within the subject group and to the wider portfolio of the School/University as appropriate.
- To undertake research and scholarly activity and/or high level professional creative practice in the biomedical and mechanical field of engineering.

Principal Duties and Responsibilities:

1. Support the management and direction of students and learning resources as assigned by the Academic Operational Lead and Head of School.
2. Work with colleagues to recruit students including overseas students.
3. Assist and support in the development of new and innovative programmes in engineering.
4. Develop and deliver resources, teaching materials and assessments to meet programme/course/student frameworks and learning outcomes on a range of programmes.
5. Contribute to the development of practical interactions that lead to students becoming proficient in biomedical and mechanical engineering.
6. Supervise and co-ordinate the work of taught undergraduate/postgraduate students and research students, as required.
7. Set, mark and assess students' work, ensuring learning outcomes have been met and feedback is both detailed and constructive.
8. Undertake research and/or other agreed scholarly activity in order to contribute to the development of the field and to further the School's/University's standing in the HE sector and wider community.
9. Prepare appropriate proposals and applications to external bodies to secure research funding and generate additional income/opportunities for the University.

10. Use initiative, creativity and judgement in the development of appropriate research methodologies to further scholarly/enterprise activity in the area.
11. Interact on a professional level with relevant internal and external professional bodies to ensure currency of knowledge, relevancy and secure programme accreditations.
12. Participate in the development of internal and external partnerships to disseminate information, share best practice, establish opportunities for collaborative work and enhance the reputation of the School/University.
13. Design, review and adapt module content in response to student feedback and needs; also, alignment with market and industrial requirements.
14. Engage with quality assurance processes/procedures to ensure that School/University standards are met.
15. Participate and contribute to University/School/Programme meetings/boards as appropriate to the role.
16. Contribute to appropriate pre-entry, recruitment, selection and admissions activities (including Open Days and Partner/Employee Visits) in order to promote the School and gain a better understanding of student/employee needs/expectations.
17. Provide a first point of contact for student welfare issues, referring problems on where they are complex or serious.
18. Introduce new starters to the School, providing support and training on the skills, processes, systems and activities of the School.
19. Provide feedback to colleagues via peer mentoring schemes to support the development of self and others.
20. Carry out personal and professional development to enhance subject authority and to contribute to the University's reputation for academic and professional excellence.
21. Ensure a safe working environment and abide by University health and safety policies and practices and to observe the University's Equal Opportunities policy and Dignity at Work policy at all times.
22. Awareness of environmental and sustainability issues and a commitment to the University's associated strategy with respect to the performance / delivery of key responsibilities of the role.
23. Ensure and maintain integrity and confidentiality of data and associated data protection requirements in line with statutory and corporate requirements.

Note:

This is a description of the role requirements as it is presently constituted. It is the University's practice to periodically review job descriptions to ensure that they accurately reflect the role requirements to be performed and if necessary, update to incorporate changes where appropriate. The review process will be conducted by the relevant manager in consultation with the role-holder.

Please note that this appointment may be subject to Disclosure and Barring Clearance.

Person Specification

Position: Associate Lecturer / Lecturer Biomedical and Mechanical Engineering		Reference: ENG-262A	
School: School of Engineering and Built Environment		Priority	Method of Assessment
Criteria		(1/2)	
1 Qualifications			
1 a)	Honours degree in relevant subject area preferably in a biomedical, mechanical engineering or related subject.	Priority 1	Application Form / Documentation
1 b)	A postgraduate qualification in relevant subject area or willingness to obtain one within a given timeframe.	Priority 1	Application Form / Documentation
1 c)	Registration with a relevant regulatory body e.g. IMechE, IET, IPEM. Or a willingness to obtain membership of a relevant regulatory body within a given time frame.	Priority 1	Application Form / Documentation
1 d)	Registered as a Chartered Engineer or a willingness to obtain within a given time frame.	Priority 1	Application Form / Documentation
1 e)	A relevant teaching qualification and/or fellowship status of the Higher Education Academy (HEA), or a willingness to obtain fellowship membership of the HEA within a specified time frame.	Priority 1	Application Form / Documentation
1 f)*	PhD/Professional Doctorate or within final year of submission, or equivalent level qualification or exceptional achievements in the professional field.	Priority 1	Application Form / Documentation
2 Skills / Knowledge			
2 a)	Able to contribute to the development and delivery of undergraduate/postgraduate programmes in the School/ Subject area	Priority 1	Application Form / Interview
2 b)	Proven ability and commitment to undertake appropriate subject specific research and/or enterprise activity and ensure it informs teaching	Priority 1	Application Form / Interview
2 c)	Credible teaching and assessment skills within an Engineering context,	Priority 1	Application Form / Interview / Assessment
2 d)	Proven ability to work effectively independently and with others as a team member	Priority 1	Application Form / Interview
2 e)	Subject matter specialist in areas of biomedical/mechanical areas including, finite element methods, additive manufacturing, biomedical instrumentation and sensors, biomedical imaging and signal processing, biomechanics, biomaterials, sustainability and other engineering topic areas	Priority 1	Application Form / Interview
2 f)	Able to operate systems and processes to enhance quality and teaching and learning excellence	Priority 1	Application Form / Interview

2 g)	Ability and commitment to undertake appropriate subject specific research and/or enterprise activity and/or high-level professional practice within the field	Priority 1	Application Form / Interview
2 h)	Knowledge and experience in supervising student work and providing appropriate support/feedback	Priority 1	Application Form / Interview
2 i)	Possess sufficient breadth and/or depth of specialist knowledge to work within established programmes and to contribute to research in the area of biomedical and mechanical engineering	Priority 1	Application Form / Interview
2 j)	Excellent written and oral communication skills and the ability to influence and persuade people at all levels and to exchange complex concepts in a manner appropriate to the audience	Priority 1	Application Form / Interview / Assessment
3	Experience		
3 a)	Teaching, research and programme delivery experience	Priority 1	Application Form / Interview
3 b)	Experience of working in biomedical/mechanical engineering	Priority 1	Application Form / Interview
3 c)	Experience of contributing to and implementing quality assurance procedures within the context of the subject area.	Priority 2	Application Form / Interview
3 d)	Experience in using and developing new technologies and professional practice initiatives relevant to the subject areas.	Priority 1	Application Form / Interview
3 e)	Experience of preparing proposals/applications to external bodies to secure funding and developing successful partnership arrangements with industrial/educational providers	Priority 2	Application Form / Interview
3 f)	Experienced and able to publish results of research	Priority 1	Application Form / Interview
3 g)	Experience in developing and delivering successful learning and teaching improvements	Priority 1	Application Form / Interview
3 h)	Experience in recruiting international students and collaborating with European/overseas institutions.	Priority 1	Application Form / Interview
4	Personal Qualities		
4 a)	Awareness of the requirements associated with operating within a customer service environment	Priority 1	Interview
4 b)	Commitment to continuous improvement and creative ways of working	Priority 1	Interview
4 c)	Able to successfully lead and manage discrete projects	Priority 1	Interview
4 d)	Able to critically reflect on all aspects of own contributions to the role	Priority 1	Interview
4 e)	Able to network effectively with local/national employers and organisations	Priority 1	Interview

4 f)	Able to demonstrate sensitivity in dealing with colleagues/partners and stakeholders from different cultural backgrounds	Priority 1	Interview
4 g)	Commitment to continuous improvement and creative ways of working	Priority 1	Interview
5	Other		
5 a)	Willing to undertake staff development, which may take place outside the University	Priority 1	Interview
5 b)	Awareness of the principles of the Data Protection Act, Health and Safety, Freedom of Information Act, UKVI Prevent and Bribery Act	Priority 1	Interview
5 c)	Commitment to the University's policy on equal opportunities and diversity	Priority 1	Interview
5 d)	Available to work flexibly and remotely as required, and undertake travel in order to meet the needs of the role and service	Priority 1	Interview
5 e)	Able to travel nationally and internationally in order to meet the requirements of the service.	Priority 1	Interview
5 f)	Hold a current driving license and be prepared to drive University vehicles as required to travel between sites/student events including field trips.	Priority 2	Interview / Documentation

Note:

1. **Priority 1** indicates **essential** criterion – an applicant would be unsuccessful if unable to satisfy all Priority 1 criterion.
2. **Priority 2** indicates **desirable** criterion - applicants failing to satisfy a number of these are unlikely to be successful.
3. It is the responsibility of the employee to ensure any professional accreditation/membership remains current
4. Employees are expected to have access to suitable IT equipment and broadband internet access at home to work remotely if required.