

Candidate Information

Position: Teaching Fellow
School/Department: School of Mechanical and Aerospace Engineering
Reference: 25/112725
Closing Date: Monday 4 August 2025
Salary: £41,519 - £49,536 per annum
Anticipated Interview Date: Wednesday 20 August 2025
Duration: 17 months

JOB PURPOSE:

To help shape our future undergraduate and postgraduate curriculums and deliver world class education across our undergraduate and postgraduate Mechanical Engineering and Aerospace Engineering programmes and deliver an exceptional student experience.

MAJOR DUTIES:

1. Teach Mechanical and Aerospace Engineering subjects at undergraduate and postgraduate level. The successful postholder should have the ability to teach core engineering modules, including developing and delivering practical and Aerospace content.
2. Utilise a range of teaching methods in the design and delivery of teaching and assessment activities which enhance student employability and reflect subject-specific and transferable skill requirements.
3. To support the School Education Leadership through programme management and delivery of quality assurance processes.
4. Develop approaches to teaching and learning, which are appropriate for the subject area and deliver outstanding learning outcomes.
5. Contribute to the development of a variety of innovative teaching programmes associated with the subject specialism and to interdisciplinary teaching activities across the breadth of the University portfolio within their area of competence.
6. Supervise student undergraduate research projects which may involve an extensive range of topic areas both inside and outside the post-holder's own specialist area.
7. Select appropriate assessment instruments and criteria, assess the work and progress of students accordingly and provide constructive feedback.
8. Seek ways of improving performance by reflecting on teaching design and delivery, through analysis of feedback.
9. Contribute to wider School and University administration and outreach activities.

ESSENTIAL CRITERIA:

1. Honours Degree in Mechanical or Aerospace Engineering.
2. Hold, or be in the process of completing, a PhD in Mechanical, Aerospace or Manufacturing Engineering.
3. Demonstrable experience of teaching in a higher education setting.
4. Breadth and depth of relevant specialist knowledge to teach at undergraduate and or/postgraduate levels across the School UG/PGT provision. Relevant experience would include (but is not limited to) Dynamics, Aerodynamics, Space Systems, Manufacturing Technology and Systems, along with experience in delivering and developing Project-Based Learning modules.
5. Excellent communication skills with the ability to communicate complex information in English and a proven ability to present ideas clearly and succinctly.

DESIRABLE CRITERIA:

1. Postgraduate Certificate in Higher Education Teaching (PGCHET) or other recognised Higher Education taught qualification.
2. Demonstrable record of enhancing the quality of learning opportunities and in turn the student experience, with relevant experience of development of taught content, teaching and assessment at undergraduate and/postgraduate level in a higher education setting.
3. Ability to contribute to scholarly outputs in Engineering Education.