



## Candidate Information

<b>Position:</b>	Teaching Fellow in Engineering and Sustainability (Maternity Cover)
<b>School/Department:</b>	School of Mechanical and Aerospace Engineering
<b>Reference:</b>	24/111983
<b>Closing Date:</b>	Monday 24 June 2024
<b>Salary:</b>	£37,841 - £45,148 per annum
<b>Anticipated Interview Date:</b>	Tuesday 2 July 2024
<b>Duration:</b>	Fixed Term Contract available until 31/12/2025

### 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, as well as contribute to interdisciplinary teaching activities across the breadth of the University portfolio 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 experience which will allow them to teach across the breadth of our Level 1 and Level 2 Mechanical Engineering programme alongside specific skills to support delivery of MSc provision in Engineering and Sustainability.
2. The successful candidate will also support in the development of a new MSc programme in Engineering, Economics and the Environment.
3. 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.
4. To support the School Education Leadership through programme management and delivery of quality assurance processes.
5. Develop approaches to teaching and learning, which are appropriate for the subject area and deliver outstanding learning outcomes.
6. 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.
7. Supervise student research projects which may involve an extensive range of topic areas both inside and outside the post-holder's own specialist area.
8. Select appropriate assessment instruments and criteria, assess the work and progress of students accordingly and provide constructive feedback.
9. Seek ways of improving performance by reflecting on teaching design and delivery, through analysis of feedback.
10. Contribute to wider School and University administration and outreach activities.

### ESSENTIAL CRITERIA:

1. Honours Degree or Equivalent in Engineering, Physics, Mathematics, Business, Economics or closely related subject.
2. Hold, or be in the process of completing, a PhD in a relevant area.
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, aligned with your own area of specialism. Relevant experience would include (but is not limited to) design for sustainability, energy systems analysis, decarbonisation, net zero engineering, fluid mechanics, aerodynamics, dynamic systems or a closely related field.
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. Evidence of contribution to national and/or international collaborations.