



## Candidate Information

<b>Position:</b>	Lecturer (Education)
<b>School/Department:</b>	School of Mechanical and Aerospace Engineering
<b>Reference:</b>	18/106884
<b>Closing Date:</b>	Tuesday 13 November 2018
<b>Salary:</b>	£36,261 to £50,132 per annum pro rata (potential to progress to £53,175 per annum through sustained exceptional contribution)
<b>Anticipated Interview Date:</b>	27 November 2018
<b>Duration:</b>	3 years (Part and full time opportunities are available)

### **JOB PURPOSE:**

To provide high quality teaching, assessment and coordination in fundamental Mathematics and Engineering Science subjects with particular emphasis on active and interactive learning and the use of a Virtual Learning Environment (VLE).

To carry out scholarship in relation to the practice of engineering education and other such duties as fall within the general ambit of the post.

### **MAJOR DUTIES:**

1. Capable of delivering a range of teaching and assessment activities in mathematical and / or core engineering science subjects.
2. Take a leading role in introducing innovative teaching delivery and assessment methods using the QUB VLE (Canvas).
3. Select appropriate assessment instruments and criteria, assess the work and progress of students by reference to the criteria and provide detailed constructive feedback to students.
4. Seek ways of improving personal performance by reflecting on teaching design and delivery, and obtaining and analysing feedback.
5. Supervise student projects and practical work.
6. Plan and develop independent teaching contributions within an integrated course environment, and contribute to the design and/or revision of course units.
7. Contribute to curriculum development.
8. Develop approaches to increase student engagement in formative feedback activities.

### **Planning and Organising:**

1. Plan and manage own teaching activities as agreed with Head of School/Director of Education.
2. Design and update modules in line with School's teaching and learning assessment strategy.
3. Develop School templates & guidelines for VLE implementation.

### **Resource Management Responsibilities:**

1. Use teaching resources, laboratories and workshops as required.
2. Act as mentor / personal tutor / supervisor for students.

### **Internal and External Relationships:**

1. Membership of the School Board and other such committees relevant to teaching and administrative duties.
2. Membership of Faculty groups related to innovations in teaching and VLE implementation
3. Collaborate with other staff in the School and take a leading role in promoting effective use of the VLE
4. Develop internal and external links appropriate to teaching and professional activities.

### **ESSENTIAL CRITERIA:**

1. Have, or be about to obtain, a PhD in a relevant area (PhD must be completed at time of taking up post).

2. Honours degree or equivalent in Mechanical, Aerospace or related Engineering subject
3. Relevant teaching experience at university level.
4. Ability to carry out scholarship in engineering education.
5. Experience in the use of a VLE platform.
6. Ability to work independently and as part of a team, including the ability provide effective leadership.
7. Ability to co-ordinate resources
8. Ability to communicate clearly and effectively with students, academic colleagues & managers
9. Effective in planning, organising and managing own work in both short term and medium term.
10. Good interpersonal skills.

**DESIRABLE CRITERIA:**

1. Hold a PhD in a related field.
2. Working towards or completed PGCHET (or equivalent) and/or hold membership of the HEA (or equivalent).
3. Experience of module development and co-ordination at university level.
4. Evidence of contributions to university level administration.