

|  |  |
| --- | --- |
| **Job Title** | Lecturer/Senior Lecturer in Aeronautical Engineering |
| **School / Service** | School of Architecture, Computing and Engineering |
| **Grade and Salary Range** | Lecturer starting from £44,577 per annum, inclusive of London Weighting  Senior Lecturer starting from £51,030 per annum, inclusive of London Weighting |
| **Location and Hybrid working status** | Docklands Campus |
| **Reporting to** | Head of Department (Engineering & Construction) |
| **Liaison with** | University staff and students, local employers, schools, and colleges |
| **Contract type** | Permanent, full time |

Build your career, follow your passion, be inspired by our environment of success **#BeTheChange**

**THE UNIVERSITY OF EAST LONDON**

If you are seeking a career that combines innovative education with a passion for crafting positive change, look no further than the University of East London. Founded in 1898 to meet the skills needs of the 2nd industrial revolution, we’re now in Year 5 of our ground-breaking 10-year Vision 2028 strategic plan, orchestrated by our Vice-Chancellor and President, Professor Amanda Broderick.

Our goal is to advance industry 5.0 careers-first education and provide a clear path to the jobs and opportunities of the future. We are committed to driving diversity in the 5.0 talent pipeline, working in partnership to promote talent wherever it is found and creating a sustainable, inclusive, and green future.

But we can't achieve this goal alone. We need forward-thinking, innovative, and curious individuals like you to join our community and help us shape the future. As part of our team, you'll have the opportunity to work with a diverse range of people who share your passion for generating positive change. We’re an inclusive and welcoming community that is constantly moving forward, never satisfied with the status quo.

If you're ready to join a team that values your outstanding skills and perspectives and is dedicated to making a difference, we invite you to explore a career with us. We are excited to welcome versatile individuals who are committed to advancing their careers while making a positive impact on the world.

**THE DEPARTMENT OF ENGINEERING AND CONSTRUCTION**

The UEL student body is rich in its diversity; students are drawn from a wide range of backgrounds and age groups, with a high proportion from low-income groups. We are committed to providing a high-quality, innovative, relevant, and research-led teaching experience which attracts, engages, and develops students, supporting their academic achievement and professional ambitions. We look for outstanding teachers, who exude a love of teaching, who inspire and motivate both students and colleagues through their approaches to teaching, and who are strongly committed to achieving excellent outcomes for students.

The Department of Engineering and Construction delivers over thirty undergraduate, postgraduate, degree apprenticeship and professional doctorate courses, including quantity surveying and commercial management, civil engineering, structural engineering, construction management, surveying, product design engineering, railway engineering, mechanical engineering, product design engineering and general engineering, covering two flagship cluster areas of Engineering (ENG) and Construction, and Transportation and Logistics (CTL).

The Department prides itself on excellent student experience, with the civil engineering portfolio ranked no. 1 (out of 60) in the UK achieving overall student satisfaction of 96% in the recent NSS survey (July 2020). In the recent NSS 2023 round, construction management subject area achieved the 1st position nationally as well. Our mechanical engineering student satisfaction is also among the top quartile (25%) in the UK, ranked 16 of 75 (Complete University Guide, 2023). In the REF2021 round, for engineering at UEL, there was a 92% increase in the FTE submitted and more than three-quarters of the outputs were considered world-leading or internationally excellent.

**JOB PURPOSE**

This new lectureship post has become available within the department to teach within the subject area of aeronautical engineering. As an expert in this field, you will deliver lectures, workshops, seminars, tutorials, and practical sessions including site visits and field schemes. In addition to preparing teaching materials to conduct assessments in accordance with UEL’s quality standards, you will contribute to the school’s vibrant research and/or knowledge transfer activities which include obtaining research grants and funding.

**KEY DUTIES AND RESPONSIBILITIES**

* To teach and assess students at all levels (Level 3 – Level 8).
* To exercise a high standard output-oriented applied research both personally and as a member of a team.
* To supervise UG and PG level student research projects.
* To contribute to the development, design, delivery, and leadership of modules at various levels, including assessments methods, ensuring that the learning materials and methods of delivery meet defined learning objectives.
* To support the Head of Department to ensure the effective day to day operation of the allocated academic area.
* To undertake operational and administrative responsibilities as allocated (e.g., module leader); making an important contribution to the accreditation of courses and quality control processes; playing a key role in validations, liaising with accreditation bodies as necessary.
* Working with colleagues to ensure efficient and effective running of courses and modules and the achievement of department and university deadlines.
* To support curriculum development and new course development.
* To take on responsibilities (leading small projects where appropriate) in relation to university-led and/or department strategic initiatives including areas such as commercial income generation activity; student recruitment and retention; partnership development; development of flexible and work-based learning provision; development of widening participation activities.
* To participate with other staff in the development of teaching, learning and assessment strategies.
* To play a role in representing both the course(s) and the school in student recruitment and retention activities including participation in Clearing activities during the summer period and in Open Days throughout the year.
* To assist with the pastoral care of students as Academic Advisor.
* To undertake staff development as needs are identified by the individual and/or line manager.
* To enhance the quality of teaching provision and course development, drawing on leading practices from the HE and other sectors, and building e- learning into the delivery of teaching to students as appropriate, including electronic formative and summative assessment.
* To maintain and develop areas of expertise in appropriate ways under the general guidance and oversight of the appropriate academic manager, contributing to the discipline area’s activities and reputation both internally and externally.
* To participate in university activities as required through membership of committees, working groups etc., as required.
* To be involved in research informed teaching projects as required.
* To be involved in the school’s and the wider university quality assurance systems and processes.
* To engage as link tutor on the Overseas Collaboration and partnership portfolio if
* required.
* To contribute to the attainment and direction of the school’s strategic plans, their development and execution.
* To undertake any other duties and responsibilities as may reasonably be required from time to time by the Heads or Dean.

**PERSON SPECIFICATION**

**KNOWLEDGE, SKILLS, AND EXPERIENCE**

**Essential**

* In-depth knowledge and specialist knowledge in one or more sub-areas: Computational Fluid Dynamics (CFD), aerodynamics, propulsion systems including hydrogen and electric propulsion, UAV technologies, sustainable aircraft design and carbon capture technologies for aviation at an advanced level.
* Experience in conducting practical and/ or laboratory sessions in at least one of these subject areas, mentioned above.
* An ability to teach at Undergraduate, Postgraduate and research degree level and to undertake module administration and personal tutorship.

**Desirable**

* Experience with research project funding and ability to lead a team and supervise research students.
* Experience of teaching in Higher Education.
* Experience in design and development of a course of study in Higher Education, and to develop creative teaching methods.
* Evidence of knowledge transfer activity and collaborations with industry.

**COMPETENCIES REQUIRED**

* A strong commitment to widening participation and a deep understanding, based on solid experience, of how to bring out the best in students from diverse backgrounds, including those who may have under-performed in the past.
* An inspirational teacher who collaborates well with colleagues and students in order to achieve the best possible outcomes for students.
* A strong commitment to high quality, reflective and collaborative professional practice in teaching and learning in higher education.
* Commitment to the promotion and advancement of the university.
* An ability to work as part of a team.
* An ability to develop professional relationships with external agencies.
* Commitment to and understanding of equal opportunities issues within a diverse and multicultural environment.

**EDUCATION, QUALIFICATIONS AND ACHIEVEMENTS**

**Essential**

* An honours or master’s degree within the area of engineering or a closely related discipline.
* A PhD (or within 6 months of completion) or proven research track record (including high-quality refereed publications in high-impact journals) within the area of engineering or a closely related discipline.

**Desirable**

* A Certificate in Teaching and Learning in Higher Education.
* Fellowship of the Higher Education Academy.
* Chartered or near chartered membership of an appropriate professional body e.g., CIOB, IMechE, IET, ICE etc.

UEL is an inclusive equal opportunities employer and are proud of our Equality, Diversity, and Inclusivity achievements. We expect all employees of UEL to accept our EDI policy and will not tolerate discrimination in any form. As an employee of UEL, we expect you to follow all relevant Health & Safety policies.

So, if you’d like to take your career to the next level with us here at the University of East London and are passionate about our environment and commit to success, we want you to apply today!