



Job Description

5 x (0.1 FTE - 0.2 FTE) Teaching Fellows in Engineering and Architectural Design (Ref: 1721173)

Bartlett School of Environment Energy and Resources

Grade 7: £38,581 - £41,864

UCL Institute for Environmental Design and Engineering (UCL IEDE)

(per annum, including London Allowance)

Location: UCL at Here East & UCL Bloomsbury Campus

Deadline: 21 May 2018

Reports to:

Professor Dejan Mumovic, UCL IEDE Director

Context

University College London (UCL) is ranked 7th in the world's top ten universities by the QS World University Rankings (2017/18). Nobel Prizes have been awarded to 29 people who are or were students or academics at UCL. 11 UCL Honorary Graduates and Fellows have also been awarded Nobel Prizes. Founded in 1826, it was the only university in England at that time which admitted students regardless of race or religion. UCL was also the first to admit women on equal terms with men. Today, UCL is an inspiring university in which to work and study and it continues to thrive on the diversity and creativity of its community. UCL is in practice a university in its own right, although constitutionally a college within the federal University of London.

UCL is London's leading multi-disciplinary university. UCL's research and teaching is organised within 11 faculties, each housing a number of departments. Together they form an academic powerhouse covering the arts, humanities and sciences. UCL has 983 professors and more than 6,000 academic and research

staff who are dedicated to research and teaching of the highest standards. 52% of the 38,000-strong student community is engaged in graduate studies, with nearly a third of these graduate students pursuing research degrees. Students from 150 countries study at UCL, making up more than one-third of the student body. An ever-expanding worldwide network of more than 200,000 UCL alumni, helps to maintain the university's international reputation for access, innovation and excellence.

UCL was rated the top university in the UK for research strength in REF2014 that was published on 18 December 2014, by a measure of average research score multiplied by staff numbers submitted. UCL researchers received a 'grade point average' of 3.22 (out of 4) and submitted over 2,500 staff to be assessed in REF2014, giving UCL an overall research power greater than both Oxford and Cambridge.

In 2017 **The Bartlett** (UCL Faculty of Built Environment) has once again been ranked as the top institution for architecture and built environment studies in Europe, and second globally following the QS World Subject rankings.

The vision of the **UCL Institute for Environmental Design and Engineering** (UCL IEDE) is a world in which the development of buildings and the urban environment is sustainable. Faced with the challenges of health, well-being, productivity, comfort, energy use and climate change, the UCL IEDE's mission is to generate and exchange knowledge in the sustainable development of buildings and the urban environment and to train the future leaders in the field. The Royal Academy of Engineering awarded the title '*Centre of Excellence in Sustainable Building Design*' to the faculties of the Bartlett and of Engineering. IEDE staff involved in this collaboration are creating and developing some of the most influential [postgraduate teaching](#) and [research](#) in the field of the built environment. As built environment practices and firms come to grips with an age of new challenges and opportunities, our joined-up way of working with other experts and specialists is in increasing demand.

For further information visit:

<http://www.bartlett.ucl.ac.uk/iede>

IEDE is based within the Bartlett School of Environment Energy and Resources.

Location and Work Environment. UCL is a welcoming, inclusive university situated at the heart of one of the world's greatest cities. UCL's central campus is within easy reach of Euston, Kings Cross and Marylebone mainline stations, the Eurostar terminal at St. Pancras and the following Underground stations – Euston Square, Warren Street, Goodge Street and Russell Square. Based at Queen Elizabeth Olympic Park in East London, UCL's new space at Here East is a unique collaboration between The Bartlett Faculty of the Built Environment and the Faculty of Engineering Science.

Main purpose of the job

UCL IEDE has a number of part time teaching positions available on the MEng Engineering and Architectural Design programme. Post holder(s) will be required to teach their appointed subject to students on prescribed modules at specific times of year. The central purpose of all roles is to maintain an innovative and distinct academic agenda within both the global context of engineering and architectural development and the local context of the school. Posts are available to candidates

with relevant expertise and relevant previous teaching experience at UCL or a university of equivalent status.

Relevant areas of expertise include:

- Building Systems Physics
- Light & Lighting
- HVAC Design & Engineering
- Building Controls
- Building Acoustics
- Building Performance Simulation
- Machine Learning

Duties and responsibilities:

- Preparation of classes and teaching materials
- Delivery of lectures, tutorials and/or seminar
- Setting and marking of assignments
- Administration (record keeping, student feedback, etc.)
- Attendance at portfolio reviews, assessment panels and examination boards
- Design and supervision of the cluster contribution to relevant annual MEng show (if applicable)
- Attendance at staff and staff-student meetings, and other occasional events such as departmental teaching workshops, validation visits, etc.
- Participation in UCL training and probationary sessions (i.e. UCL Arena Two as a requirement of confirmation of post <https://www.ucl.ac.uk/teaching-learning/professional-development/arena-two>)
- The successful applicant will demonstrate a willingness for personal and professional development
- The post holder will carry out any other duties as are within the scope, spirit and purpose of the job as requested by the line manager or Director of the Institute
- NOTE: This job description reflects the present requirements of the post, and as duties and responsibilities change/develop, the job description will be reviewed and be subject to amendment in consultation with the post holder(s).

Person specification

Criteria	Essential or Desirable
Qualifications, experience and knowledge	
A PhD in a subject relevant to a research area in the job description, or extensive experience commensurate with a PhD.	Essential
Excellent knowledge of theory, engineering and design strategies related to one or more areas outlined in the main purpose of the job description above.	Essential
Professional practice experience.	Desirable
Skills and abilities	
Ability to deliver and develop programmes of teaching in the areas outlined in the job description.	Essential
Ability to communicate clearly both orally and in writing, with students, academic and administrative staff at all levels.	Essential
Technical skills within the areas outlined in the job description.	Essential
Ability to work harmoniously with colleagues and students of all cultures and backgrounds.	Essential
Ability to use own initiative and to prioritise workload.	Desirable
Aptitude for coordination and teamwork.	Desirable
Attributes	
A passion for built environment research based teaching.	Essential
Commitment to UCL's policy for equal opportunity.	Essential
Membership of a relevant professional institution primarily CIBSE.	Desirable

Apply

To apply for this position visit:

ucl.ac.uk/jobs

If you have any queries regarding the vacancy or the application process, please contact:

bseer-recruitment@ucl.ac.uk