JOB DESCRIPTION

Vacancy reference:	SRF28583
Post Title:	Lecturer in Construction Technology
Grade:	Grade 7
School/Department:	Construction Management and Engineering
Reports to:	Head of Department
Responsible for:	Students and research assistants

Purpose

We are looking for an enthusiastic lecturer with expertise in the broad area of construction technology. You should be familiar with the basic construction technology as commonly applied to modern commercial and industrial buildings. You will have the ability to describe and explain performance criteria relevant to the selection, design and specification of various building components. Examples include: foundations, basements, frames, cores, structural floors, roofs external envelopes and building services. Teaching responsibilities will include core contributions to the BSc undergraduate programme and MSc programmes, including the planning and execution of student projects. Areas of research activity for which the post-holder will contribute within the School include sustainable technologies, technology implementation and socio-technical practices. There is potential for collaboration with other schools within the University, including the Henley Business School.

Main duties and responsibilities

- To make a contribution to teaching in the broad area of construction technology in the built environment at undergraduate and postgraduate levels,
- To engage in research and scholarship contributing to research activity in relation to construction technology, sustainability and organisation and management.
- To contribute to the enterprise and outreach activities of the School and be able to participate actively in public engagement and communication of research across the University and externally.
- To participate in the supervision of postgraduate research students relating to the candidate's area of expertise.
- To collaborate on the future development of teaching, research and engagement activity at all levels within the School.
- To undertake a reasonable share of administrative/management duties within the School.
- To undertake continuous professional development to ensure working practice is up to date

Supervision received

The holder of the post reports formally to the Head of Department.

Supervision given

Research students, research assistants.

Contact
There will be frequent contact and liaison with other Departments/Schools involved with teaching and programme development and research activity; the work involves engagement with academic community nationally and internationally, as well as industrial liaison and contact with the general public in regards to research and development in the School.

Terms and conditions

This post is full-time, permanent but fractional and flexible working patterns can be negotiated. There are no specified hours of work, but you will be required to work such hours as are necessary to carry out the duties associated with the post. Overtime is not payable.

This document outlines the duties required for the time being of the post to indicate the level of responsibility. It is not a comprehensive or exhaustive list and the line manager may vary duties from time to time which do not change the general character of the job or the level of responsibility entailed.

Date assessed: 11/04/2019

PERSON SPECIFICATION

Criteria	Essential	Desirable
Skills Required	• Demonstrable skills for developing and delivering courses at undergraduate and postgraduate levels. • Ability to interact effectively with students and external stakeholders • Excellent presentation and oral communication skills.	• Experience of research project initiation and management. • Experience of curriculum development and review
Attainment	• Doctorate in built environment or related area. • Evidence of a developing publication record.	• An awareness of the research funding landscape • Some experience of securing external funding
Knowledge	• Expert knowledge in construction technology as applied to buildings, projects or organisations • Familiarity with appropriate IT support tools. • Knowledge of current trends in construction and the built environment	• Recognised nationally for expertise in particular knowledge area/discipline • Knowledge of current research debates/issues.
Relevant Experience	• Experience of teaching and learning practice in a higher education context at both undergraduate and postgraduate levels	• Experience of teaching and learning leadership and management • FHEA status

Disposition Lecturer	• Ability to work both independently and collaboratively with colleagues across the School and the University. • Commitment to scholarship and the development of a research and publication profile. • Orientation towards interdisciplinary education and research.	An international outlook
Completed by: Chris Harty	Date:	

Further Particulars

About the University of Reading

The University of Reading is a global university that enjoys a world-class reputation for teaching, research and enterprise. The University was established in 1892, received its Royal Charter in 1926, and has since developed into a leading force in British and international higher education. We deliver a world-class student experience, research-led teaching and our graduate employability record is excellent. The numbers of our students progressing to higher level study is well above the national average. The University continues to evolve, reflecting an ever-changing world, which drives the development of our areas of research excellence and strength. The University is committed to maintaining a supportive, challenging and high-quality experience for students and staff alike and to preserving the heritage of some of the most beautiful university campuses in the UK. Reading has a community atmosphere - the distinctive student experience and provision of close student support makes it a great place to work and study.

About the School of the Built Environment

The School of the Built Environment is an interdisciplinary centre of excellence with internationally renowned expertise in the design, construction, operation and use of buildings and infrastructure.

83% of our research was rated as 'world leading' or 'internationally excellent' in the 2014 Research Excellence Framework.

Our remit extends 'across the scales' with the aim of making the built environment work better for society. Our work draws on architecture, design, science and engineering, social science and management. It addresses the intersection of the physical, biological, social and cultural environments that affect people's lives, including quality of life, sustainability of communities, wealth generation and long-term resilience. We have three research groups; Organisations, People and Technology, Energy and Environmental Engineering, and Urban Living.

September 2016 saw the launch of Architecture. Although Architecture is marketed externally as a 'School' it constitutes an academic department within the expanding School of the Built Environment (SBE) where it sits alongside a re-configured department of Construction Management and Engineering. The co-existence of these two departments creates significant opportunities for interdisciplinary working, both in terms of research and teaching & learning. Strong links in both respects are maintained with the School of Real Estate and Planning (HBS), the School of Physical, Mathematical and Computational Sciences and the School of Arts and Communication Design (amongst others).

The School has grown extensively in the last ten years and currently has 52 academic staff, including 12 professors, 10 associate professors and 27 lecturers, along with 3 teaching fellows and 9 research fellows. The BSc degrees currently available include: (i) Building Surveying, (ii) Quantity Surveying, (iii) Construction Management, and (iv) Construction Management and Surveying and (v) Architecture. The School is especially strong in terms of post-graduate recruitment with in excess of 120 current postgraduate students. MSc programmes include: (i) Renewable Energy: Technology and Sustainability; (ii) Construction Management, (iii) Information Management (iv) Project Management, (iv) Construction Cost Management, (v) Design and Management of Sustainable Built Environments, and (vi) Construction Management and International Development. A post graduate Architecture programme will commence in

2020, as will a BEng / MEng in Architectural Engineering. There is also a strong research degree programme, leading to MPhil or PhD, with an excellent record of success.

From 2023, it is planned that the expanded School of the Built Environment will be housed in a retrofitted Grade-II listed concrete brutalist building at the heart of the University's Whiteknights campus. The re-imagined facility will provide state-of-the-art design studios together with a variety of teaching and learning settings. It is further intended that the refurbished building should exemplify the School's commitment to sustainable design, with a particular focus on energy efficiency.

For further details see: http://www.reading.ac.uk/built-environment/

About Construction Management and Engineering

Construction Management and Engineering (CME) is an internationally-recognised centre of excellence for teaching and research in the built environment. Our courses are fully accredited by professional bodies such as the Royal Institution of Chartered Surveyors (RICS), and Chartered Institute of Building (CIOB). Our close relationship with industry and the professions is of central importance in ensuring that our graduates are much sought after by industry and have the appropriate skills to ensure successful career progression. The School's employability statistics are excellent. Reading graduates are especially well represented at the very top of the surveying profession, both in the UK and internationally. Our taught programmes reflect the best of current practice, including the latest developments in building information modelling (BIM) and sustainability. But even more importantly, the School provides academic leadership for the sector and points the way towards new ways of working.

The work of the School relates to the management, design and operation of the built environment. Innovation is a unifying theme throughout. The outlook of CME is inherently international, with a particular focus on the ways in which design, engineering and construction services are delivered across global networks. The vision of CME rests on viewing the built environment from an interdisciplinary perspective and supporting a research environment which combines a strong orientation towards the needs of the construction professions with an understanding of technologically-driven innovation. It also requires the incubation of a culture where engineers, designers, management specialists and social scientists work together in close collaboration.

The quality of our educational provision is evidenced by the professional institutions which accredit are various courses. Examples include: the Chartered Institute of Building (CIOB), the Chartered Institution of Building Services Engineers (CIBSE), the Energy Institute (EI), the Board of Quantity Surveyors Malaysia (BQSM) and the Royal Institution of Chartered Surveyors (RICS).

For further details see: http://www.reading.ac.uk/CME

About Architecture

The vision for Architecture is strong and distinctive. The focus lies on developing a model of architectural education that encourages and facilitates the interdisciplinary nature of modern building design. Architects increasingly operate within the context of interdisciplinary teams. It is necessary not only to understand architectural design, but also how to interact collaboratively with other building professionals in an increasingly digital age. They also need to understand architecture as a business. The department builds on the School of Built Environment's strong connectivity with the construction and property sectors. Of particular

importance is our strong reputation for professional education. It is this focus on professionalism which is the cornerstone of the School of Architecture. It provides the basis for strong links with architectural practices based within the Thames Valley and beyond.

Students have a 24-hour dedicated studio space directly simulating the working environment of the modern architectural practice. The students are actively encouraged to manage their space in a professional way. The undergraduate degree will feed a range of post-graduate courses offering alternative career directions. The relationship to the local regional debate around architecture and the built environment is important for the School. We have developed a series of public lectures. We have worked with the local authority to help establish a local design review panel to encourage debate around design of the public realm and architecture. We are also hosting a series of events around environmental design and the vision for Reading in the School to encourage our students to participate in the debate around current issues affecting architecture.

The BSc in Architecture is prescribed by the UK Architects Registration Board (ARB) and has received candidate course status from the RIBA.

For further details see: http://www.reading.ac.uk/architecture/

Updated 6th March 2018