



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

**Lecturer (Teaching and Scholarship) in Geotechnical Engineering,  
Faculty of Engineering**



**Salary: Grade 8 (£40,792 - £48,677 p.a. pro rata)**

**Reference: ENGCV1100**

**Closing date: 05 July 2019**

**Part time, 50% full time equivalent**

**Fixed term for three years**

**We will consider flexible working arrangements**

# **Lecturer (Teaching and Scholarship) in Geotechnical Engineering**

## **School of Civil Engineering**

**Are you an experienced and ambitious teacher looking for your next challenge? Do you have either significant industrial experience in geotechnical engineering design and/or construction or a PhD in an associated topic plus subsequent related industrial/research experience? Do you want to further your career in one of the UK's leading Universities? Are you passionate about delivering an exceptional student experience?**

As a Lecturer in Geotechnical Engineering you will be responsible for delivering modules related to Geotechnical Engineering at the University of Leeds and as part of a joint programme with South West Jiaotong University, China.

Ground engineering at the University of Leeds includes geological and geotechnical hazards identification and mitigation, contaminated ground, ground as a source of energy, ground water conditions, design and construction of geotechnical structures, surface and subsurface infrastructure, robotics in geotechnical engineering, constitutive modelling and software development. This diverse activity takes place in the Schools of [Civil Engineering](#) and [Earth and Environment](#) providing excellent opportunities for teaching, research and development.

This post supports the development of a new MSc programme in geotechnical engineering which compliments an existing programme in engineering geology. Our MSc programmes are widely recognised for their high calibre academic training, and the development of strong skills in terms of critical thinking, independent learning and team work. You will join an international team of academics providing an opportunity to deliver a state of the art programme that merges research and practice to create an exceptional student experience.

### **What does the role entail?**

As a Lecturer (Teaching and Scholarship) at your main duties will include:



- Designing and construction focused teaching by delivering modules, including lectures, tutorials and workshops at different levels on undergraduate and postgraduate taught courses;
- Supporting and delivering modules for joint programmes with South West Jiaotong University, China, including possibly making occasional visits to China to facilitate the joint delivery of the programmes;
- Assessment of students' work including setting and marking exams and provision of timely feedback, identifying the learning needs of students and defining appropriate learning objectives;
- Assisting the School to embed industry standard design tools, processes and guides, as appropriate into the civil engineering curriculum (Eurocodes, geotechnical software and Building Information Modelling software);
- Utilising and developing innovative approaches to learning and teaching of design and construction;
- Acting as a module and/or programme leader and to ensure that modules and programmes run to the required standard; playing a lead role in planning and developing modules and using feedback gathered from students to inform or adapt future teaching;
- A significant involvement in the review of modules and programmes and in quality assurance and enhancement as required and the implementation of project-based learning strategies and design-related modules;
- Develop project briefs and supervision of MEng and MSc(Eng) postgraduate students undertaking design and individual research projects;
- Acting as a personal tutor, including pastoral care and providing support and guidance to students, resolving issues and/or referring to specialist parties, where appropriate;
- To be aware of and work in line with the University's learning and teaching partnership and work with our students as members of a learning community to provide world class education and an excellent student experience;
- Utilise, develop and promote innovative approaches to student education, including assessment and feedback;
- Pursue, develop and take forward pedagogic developments relating to learning and teaching;
- Produce scholarly pedagogic publications, disseminating findings across the University and externally, including contributing to conferences and high quality journals;



- Contribute effectively to the strategic development of the curriculum and learning and teaching/student support policies;
- Be involved in national networks in order to support pedagogical development and innovation and maintain an external profile with regards to learning and teaching.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

## What will you bring to the role?

As a Lecturer (Teaching and Scholarship) you will have:

- A first degree in Civil or Structural engineering (or similar) that was accredited to Chartered Engineering level by ICE/IStructE (or similar);
- Currently undertaking training for, or the possession of, Chartered membership of a relevant professional institution such as the Institution of Civil Engineers (CEng, MICE), or equivalent similar professional qualification;
- Either significant industrial experience in any relevant field of geotechnical engineering or a PhD in a relevant area of civil or geotechnical engineering design and/or construction, with subsequent industrial/research experience in any related field that will complement current areas of geotechnical engineering design/construction expertise within the School;
- Willingness to undertake further learning and personal development training as may be appropriate to the post;
- The ability to advise and work with both large and small groups at all levels within the School;
- The ability to motivate and engender enthusiasm in others, as evidenced for example in student feedback obtained from previous teaching experience or from a successful track record of mentoring graduate engineers in industry, with a passion for transferring knowledge and skills to students;
- Experience of geotechnical design and development and delivery of teaching materials in a Higher Education setting, with the ability to teach effectively at all levels;
- Ability to lead pedagogical thinking and developments in the area of civil and/or structural engineering and design at a national or international level;
- Able to demonstrate team-working and networking skills;



- Ability to bring enthusiasm and practical skills to the area of design/project work;
- Evidence of high levels of self-motivation;
- Proven administrative and leadership skills, for example skilled in the area of project leadership;
- Willingness to travel and work away from the UK for short periods of time to deliver modules at partner institutions abroad;
- Willingness to work in line with the University's Leadership and Management Standard.

You may also have:

- A working knowledge of relevant civil/geotechnical engineering codes of practice (such as the Eurocodes) and geotechnical engineering processes;
- Experience of developing innovative approaches to teaching or assessment;
- Evidence of previous programme or academic leadership.

## How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

## Contact information

To explore the post further or for any queries you may have, please contact:

**[Prof Barry Clarke](#) School of Civil Engineering**

Tel: +44 (0)113 343 9454

Email: [b.g.clarke@leeds.ac.uk](mailto:b.g.clarke@leeds.ac.uk)

## Additional information

### Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering](#) and the [School of Civil Engineering](#).



### **A diverse workforce**

The Faculty of Engineering is proud to have been awarded the [Athena Swan Silver Award](#) from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

### **Working at Leeds**

Find out more about the benefits of working at the University and what it's like to live and work in the Leeds area on our [Working at Leeds](#) information page.

### **Candidates with disabilities**

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto:disclosure@leeds.ac.uk).

## **Criminal record information**

### **Rehabilitation of Offenders Act 1974**

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

