

Candidate Information

Position: Lecturer in Geotechnics
School/Department: School of Natural and Built Environment
Reference: 26/113609
Closing Date: Monday 14 September 2026
Salary: £46,936 - £64,890 per annum
Anticipated Interview Date: Tuesday 3 November 2026

JOB PURPOSE:

As Lecturer in Geotechnical Engineering, you will undertake teaching and research in line with the strategy/targets of the Civil Engineering Discipline within The School of Natural and Built Environment, The Faculty of Engineering and Physical Science (EPS) and wider Queen's University's vision of world class leadership and impact on society. The successful candidate will join the Geotechnical Research Group and contribute to high-quality teaching by designing, delivering and assessing courses across a range of core and optional modules, including the supervision of undergraduate (UG) and postgraduate taught (PGT) project students. You will also be expected to teach across the School on interdisciplinary modules aligned to general Civil Engineering. You will also develop your personal research profile to the highest standards; contributing to our international reputation by securing research funding, publishing results in internationally recognised high-impact journals and supervising postgraduate research students. Candidates from any area of geotechnical research are welcomed; and those with a background in numerical/constitutive modelling of soil-structure interaction, geotechnical infrastructure systems, transport and highway infrastructure, and geohazards (i.e. climate resilience/flooding) are especially encouraged. The successful candidate is expected to become a member of one of the professional accrediting institutions for our degree programmes and have the ability support the administration activities of the School as required.

MAJOR DUTIES:

Teaching:

1. Develop teaching methods, design course units and deliver teaching and assessment activities in Civil Engineering, including lectures, tutorials, coursework, and field trips as assigned by the Head of School (or nominee).
2. Develop approaches to teaching and learning, which are appropriate for the subject area; that reflect developing practice.
3. Contribute to the enhancement of quality teaching within the discipline, the School and the EPS Faculty.
4. Develop and advise others on learning and teaching tasks and methods.
5. Contribute to the design of innovative teaching programmes.
6. Plan for and set teaching and research objectives over a number of years.
7. Design/update modules in line with School's teaching strategy.
8. Communicate complex and conceptual ideas to students as well as to peers using high level skills and a range of media.
9. Contribute to improving the student experience and increased recruitment at national and international levels.
10. The above (40% - 60% of time spent)*

Research:

1. Conduct research in Geotechnical Engineering to contribute and enhance the Geotechnical Research Group.
2. Sustaining a personal research plan by managing and undertaking research activities leading to a REF return in Engineering.
3. Sustain a high-quality publication record by publishing in refereed journals and presenting at conferences to assist individual research to enhance the School's international research profile.
4. Develop research proposals and funding bids, in collaboration with others as appropriate.
5. Assist with building, supervising and sustaining the research group within the School.
6. Direct, coach and develop research staff, where appropriate.
7. Ensure that research projects are completed on time and within budget.
8. Prepare research proposals for submission for external funding.
9. Build a research profile that will secure measures of esteem commensurate with stage in career.

10. Develop networks of research excellence both nationally and internationally.
11. The above (20% - 30% of time spent)*

Administration/Contribution to the Community:

1. Contribute to the School's outreach strategy by developing external links.
2. Develop links with relevant industries or external bodies to encourage technology transfer opportunities and create opportunities for future research projects.
3. Provide pastoral care for students within own area to ensure, as far as practicable, that all relevant issues are dealt with in a timely, sympathetic and effective manner.
4. Carry out designated School functions, including, for example, participation in committee work, assisting in the process of admissions, and preparation of submission for teaching quality assessment or the REF.
5. Plan and manage own teaching and tutorials as agreed with Head of School (or nominee).
6. As module leader, co-ordinate with others (such as support staff or academic colleagues) to ensure student needs and expectations are met.
7. Plan for the use of teaching and research resources and manage as appropriate.
8. If appropriate, supervise the work of others, for example in research teams and projects.
9. Manage own teaching, research and administrative demands under general supervision of the Head of School (or nominee).
10. Assist in the development of skills and competence in others (for example through the supervision of research students).
11. Participate in judgements regarding the use of resources within their research project/school.
12. Act as mentor for students in capacity of personal tutor.
13. Mentor colleagues with less experience and advise on personal development.
14. Member of the School Board, Civil Engineering Board and Examination Board along with such committees relevant to their administrative duties.
15. Contribute to University international campus agreements as required.
16. Participate in and develop networks, for example to identify sources of funding, contribute to student recruitment, act as website editor, secure student placements, market the institution, facilitate outreach work, generate income, obtain consultancy projects, or build relationships for future activities.
17. The above (10% - 20% of time spent)*

ESSENTIAL CRITERIA:

1. Hold or be about to obtain a PhD in Civil Engineering within the specialist area of Geotechnics.
2. 2:1, First degree, or higher, in Civil Engineering or a related subject.
3. Evidence of potential to deliver high quality teaching in Civil Engineering Subjects at undergraduate or postgraduate level through the medium of English
4. A strong record of publications, commensurate with career stage, in the Geotechnical field in peer reviewed/refereed journals that are REF returnable within the Engineering Unit of Assessment.
5. Commitment to applying for and obtain peer reviewed research income from research councils and other relevant funding bodies.
6. Willingness to supervise research students and postdoctoral researchers.
7. Commitment to strengthening the international excellence in research at the School of Natural and Built Environment and to developing collaborative networks.
8. A clear vision on future research and development plans and how they would benefit the School.
9. Evidence for developing and maintaining an independent research programme.
10. Evidence of scholarly activity, e.g. conference presentations, book or papers reviews.
11. High level of analytical capability.
12. Evidence of collaboration with and links to industry, or other activities aiming at achieving broader societal and economic impact
13. Evidence of social engagement and outreach activities.
14. Ability to communicate complex information effectively and encourage commitment to learning in others.
15. Ability to communicate effectively in English, both orally and in writing.
16. Demonstrable intellectual ability and good time management.

DESIRABLE CRITERIA:

1. Completed PGCHET or an equivalent teaching qualification.
2. Experience of teaching Mathematics in tertiary level education.
3. Evidence of good teaching evaluations.

4. Experience in design of new modules and/or assessment methods.
5. A record of publications in relevant high SNIP journals.
6. A record of successful grant applications.
7. Successful supervision of PhD or Masters students.
8. Evidence of successful research collaboration, participation in collaborative networks or research teams.
9. Plenary or invited talks at international conferences.
10. Measurable societal and economic impact such as contribution to industry roadmaps and technology transfer to industry, with associated evidence.