FACULTY OF ENGINEERING

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

GEOENVIRONMENTAL ENGINEERING

Master of Research in Geoenvironmental Engineering
Postgraduate Certificate in Geoenvironmental Engineering

These regulations are to be read in conjunction with General Academic Regulations - Postgraduate Taught Degree Programme Level.

Admission

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall possess:

   i. A minimum of first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or
   ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
   iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to i. above.

2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of competence in the English language.

Duration of Study

3. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

4. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum duration of study will be:

   i. for the degree of MRes by full-time study - 24 months
   ii. for the degree of MRes by part-time study - 36 months

Mode of Study

5. The programme is available by both full-time and part-time study and students have the option of completing the programme either on-campus or via distance learning (online).

Curriculum

6. All students shall undertake an approved curriculum as follows:

Compulsory Modules

150 credits chosen from

Module Code	Module Title	Level	Credits
CL907	MRes Dissertation	5	120
CL954	Contaminated Land	5	10
Either			

CL906	Site Investigation and Risk Assessment	5	10
OR			
CL949	Site Investigation and Risk Assessment	5	10
	Either		
CL804*	Research Methods for Quantitative and Qualitative Approaches	5	10
	OR		
CL997**	Research Methods for Quantitative and Qualitative Approaches	5	10

*Semester 1
**Semester 2

Optional Modules
No fewer than 30 credits chosen from:

Module Code	Module Title	Level	Credits
RD905	Researcher Professional Development Elective	5	10
CL935	Hydrogeology	5	10
CL904	Waste Management and Landfill Design	5	10
CL961	Geographical Information Systems	5	10
CL951	Groundwater Flow Modelling	5	10
CL952	Aquifer Mechanics	5	10
EV921	Water and Environment Management	5	10
Either			
EV939	Environmental Impact Assessment	5	10
Or			
CL941	Best Practice in Environmental Impact Assessment	5	10
CL978	Water & Wastewater Treatment Design	5	10
CL973	Independent Study in Collaboration with Industry	5	10
L2967	City Systems and Infrastructure	5	10
CL996	Materials and Microstructures	5	10
CL990	Environmental Geochemistry	5	10
Either			

CL994	Circular Economy and Transformations Towards Sustainability	5	10
Or			
CL988	Leading Issues in Circular Economy	5	10
EC978	Natural Resources, Sustainability and Governance	5	10

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

Optional modules for study by Flexible Learning (e.g., Distance Learning) are available subject to the General Academic Regulations - Postgraduate Taught Degree Programme Level.

Examination, Progress and Final Assessment

7. Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the dissertation.

8. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the programme before the dissertation can be submitted for examination.

9. The final award will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

Award

10. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Geoenvironmental Engineering, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the dissertation CL907.

11. **Award of Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Geoenvironmental Engineering, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.