

Programme Regulations: 2022/23

Programme Titles:

Degree of Master of Science with Honours in Engineering Geology – Code: 5041F/P; 5448P (2 years)

Degree of Master of Science with Honours in Geotechnical Engineering – Code: 5042F/P; 5420P (2 years)

Degree of Master of Science with Honours in Engineering Geology Science – Code: 5472F*

Degree of Master of Science with Honours in Applied Geotechnical Engineering and Geological Science –

Code: 5473F*

Notes

- (i) These programme regulations should be read in conjunction with the University's Postgraduate (Taught) Progress Regulations and Examination Conventions.
- (ii) A compulsory module is a module which a student is required to study.
- (iii) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.
- (iv) All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.

1. Programme Structure

- (a) The programme is available for study in both full-time and part-time modes.
- (b) The period of study for full-time mode shall be 1 year starting in September. The period of study for part-time mode shall normally be 2 years starting in September, but may be up to 4 years with the approval of the Degree Programme Director, normally starting in September.
- (c) The programme comprises modules to a credit value of 180.
- (d) All candidates shall take the following compulsory modules:

| Code | Descriptive title | Total Credits | Credits Sem 1 | Credits Sem 2 | Credits Sem 3 | Level | Type | Mode |
|---------|--|---------------|---------------|---------------|---------------|-------|------|-------|
| CEG8608 | Contaminated Land | 10 | | 10 | | | | |
| CEG8210 | Soil Mechanics and Ground Characterisation | 20 | 20 | | | 7 | | Block |
| CEG8217 | Ground Engineering Practice and Professional Skills | 10 | 10 | | | 7 | | Block |
| CEG8212 | Assessment of Slope Stability; Design of Cuttings, Fills, Reinforced Slopes and Tailing Dams | 20 | 20 | | | 7 | | Block |
| CEG8213 | Applied Rock Engineering | 20 | | 20 | | 7 | | Block |

- (e) All candidates taking the Engineering Geology stream will take;

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| Code | Descriptive title | Total Credits | Credits Sem 1 | Credits Sem 2 | Credits Sem 3 | Level | Type | Mode |
|---------|---|---------------|---------------|---------------|---------------|-------|------|-------|
| CEG8216 | Engineering Geology Field Skills | 20 | | 20 | | 7 | | Block |
| CEG8507 | Borehole Design, Construction and Operation | 10 | | 10 | | 7 | | Block |

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|---------|---|----|---|----|----|---|--|-------|
| CEG8511 | Groundwater Assessment | 10 | | 10 | | 7 | | Block |
| CEG8297 | MSc Project and Dissertation in Engineering Geology | 60 | 6 | | 54 | 7 | | |

(a) All candidates taking the Geotechnical Engineering stream will take;

| <i>Code</i> | <i>Descriptive title</i> | <i>Total Credits</i> | <i>Credits Sem 1</i> | <i>Credits Sem 2</i> | <i>Credits Sem 3</i> | <i>Level</i> | <i>Type</i> | <i>Mode</i> |
|-------------|--|----------------------|----------------------|----------------------|----------------------|--------------|-------------|-------------|
| CEG8214 | Soil Modelling and Numerical Methods | 20 | | 20 | | 7 | | Block |
| CEG8215 | Foundation Design and Soil Improvement Solutions | 20 | | 20 | | 7 | | Block |
| CEG8296 | MSc Project and Dissertation in Geotechnical Engineering | 60 | 6 | | 54 | 7 | | |

With the approval of the Degree Programme Director and depending upon the academic background of the candidate, alternative optional modules to those listed above may be selected. If a candidate is a graduate of Newcastle University they are not permitted to take any module which has already been taken as part of another programme. In such a case the Degree Programme Director shall substitute appropriate modules.

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

For the purpose of professional accreditation, the University's Education Committee has approved a variation in Postgraduate (Taught) Examination Convention P.45 to the effect that a candidate who passes all core modules and fails up to 20 credits of non-core modules is recommended, as of right, for the award of an appropriate Master's degree or Postgraduate Diploma, provided that no mark is below 40 and the weighted average mark for all modules and all non-modular aggregated assessment is at least 50.

*Degree of Master of Science in Engineering Geology Science - Code: 5472F and Applied Geotechnical Engineering and Geological Science 5473, is a non-accredited Masters degree title awarded where a candidate only meets the requirements of the University's Taught Programme Regulations and Examination Conventions and not the requirements of accreditation.