

Programme Regulations: 2023/24

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.*
- (v) **The Degree of Master of Science with Honours in Engineering Geology Science – Code 5472F and Degree of Master of Science with Honours in Applied Geotechnical Engineering and Geological Science – Code: 5473F are exit awards for candidates who do not meet the requirements of the accredited degree programmes.*

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
CEG8210	Advanced Geomechanics	20	20			7		Block
CEG8212	Assessment of Slope Stability; Design of slopes, mine pitwalls and tailing dams	20	20			7		Block
CEG8213	Applied Rock Engineering	20	10	10		7		Block
CEG8217	Ground Engineering Practice and Professional Skills	10		10		7		Block
CEG8219	Ground Investigation, Contamination, and Improvement	20	20			7		Block

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

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
CEG8297	MSc Project and Dissertation in Engineering Geology	60		6	54	7		
CEG8527	Fundamentals of Conceptual and Numeric Ground Water Modelling	10		10		7		Block

(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
CEG8218	Foundation Design and Retaining Structures	10		10		7		Block
CEG8296	MSc Project and Dissertation in Geotechnical Engineering	60			60	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.