Programme Regulations: 2022/2023

Programme Titles:

Degree of Bachelor of Engineering with Honours in Geospatial Surveying and Mapping- UCAS Code: H245

Degree of Bachelor of Engineering with Honours in Geospatial Surveying and Mapping-with Year in Industry – Code 1636U

Degree of Bachelor of Engineering with Honours in Geospatial Surveying and Mapping-with Year in Industry – UCAS Code: H246*

Notes
(i)   These programme regulations should be read in conjunction with the University's Undergraduate Progress Regulations and Examination Conventions.
(ii)   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.
(iii)   Unless otherwise stated under 'Type', modules are not core.
(iv)   A compulsory module is a module which a student is required to study.
(v)   A core module is a module which a student must pass, and in which a fail mark may neither be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.
(vi)   Programme coded H246 is withdrawn from entry.

1.   Stage 1

(a)   All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG1701	Mapping Fieldcourse	20		20	4	Core
CEG1702	Geographic Information Systems	10	10		4	Core
CEG1703	Surveying	20	10	10	4	Core
CEG1705	An Introduction to GNSS and its Applications	10		10	4	
CEG1706	Principles of Remote Sensing	10	10		4	
CEG1711	Tutorial Study Skills for Geospatial Engineering	10	10		4	Core
CEG1713	Data Science 1	10		10	4	
CEG1716	Geospatial Mathematics and Statistics	30	20	10	5	

2.   Stage 2

All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG2700	Professional Practice	10	10		5	
CEG2704	Geographic Information Systems: Theory and Application	10		10	5	
CEG2707	Map Projections and Geodetic Datums	10		10	5	

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG2709 *	Applied Remote Sensing and Image Processing	10		10	5	
CEG2710	GNSS Theory and Practice	10	10		5	
CEG2720	Geospatial Engineering Practice and Research	10	5	5	5	
CEG2722	Data Science 2	10		10	5	
CEG2723	Digital Data Acquisition	20	20		5	
CEG2726 #	Photogrammetry and Laser Scanning	20		20	5	
CEG2727	Geospatial Data Analysis I	10	10		5	
CEG2728	Geospatial Data Analysis II	10		10	5	
LAW2053 *	Law and Land Use	10	10		6	

*Modules marked * will be given in 2022-23 and are expected to be available every second year thereafter; modules marked # will be given in 2023-24 and are expected to be available in alternate years thereafter.*

3.   **Intercalating Year (1636U / H246)**

(a)   Upon successful completion of Stage 2 (with an overall pass threshold of 50% at the end of Stage 1) and before entering Stage 3, candidates shall spend the equivalent of one academic year in an approved placement. If a candidate is not successful in securing an approved placement, or fails the assessment of the placement year, then the candidate will be required to transfer to Stage 3 of H200.

(b)   All candidates shall take the following compulsory module:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
NCL3000	Care Service Placement Year Module	120	60	60	6	

4.   **Stage 3**

(a)   All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
CEG2700	Professional Practise	10	10		5	
CEG2709	Applied Remote Sensing and Image Processing	10		10	5	
CEG3702	Survey Fieldcourse	20	20		6	
CEG3707	Geohazards and Deformation of the Earth	10	10		6	
CEG3710	Offshore Surveying	10		10	6	
CEG3716	Geospatial Informatics	10	10		6	
CEG3717	Applied Geospatial Data Handling	10		10	6	
CEG3799	Individual Research Project	30	10	20	6	
LAW2053	Law and Land Use	10	10		6	

Assessment methods

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

5.   **Degree classification**

Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:1 for Stage 2 and Stage 3 respectively.