Programme Regulations: 2021/22

Programme Titles:

Degree of Bachelor of Science with Honours in Surveying and Mapping Science - UCAS Code: H244

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- UCAS Code: H246

Degree of Bachelor of Science with Honours in Surveying and Mapping Science with Year in Industry – UCAS Code: H249

Notes

(i) These programme regulations should be read in conjunction with the University’s Taught Programme Regulations.

(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.

1. Stage 1

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Descriptive title</th>
<th>Total Credits</th>
<th>Credits Sem 1</th>
<th>Credits Sem 2</th>
<th>Level</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG1701</td>
<td>Mapping Fieldcourse</td>
<td>20</td>
<td>20</td>
<td></td>
<td>4</td>
<td>Core</td>
</tr>
<tr>
<td>CEG1702</td>
<td>Geographic Information Systems</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
<td>Core</td>
</tr>
<tr>
<td>CEG1703</td>
<td>Surveying</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td>4</td>
<td>Core</td>
</tr>
<tr>
<td>CEG1705</td>
<td>An Introduction to GNSS and its Applications</td>
<td>10</td>
<td></td>
<td>10</td>
<td>4</td>
<td>Core</td>
</tr>
<tr>
<td>CEG1706</td>
<td>Principles of Remote Sensing</td>
<td>10</td>
<td></td>
<td>10</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CEG1711</td>
<td>Tutorial Study Skills for Geomatics</td>
<td>10</td>
<td>10</td>
<td></td>
<td>4</td>
<td>Core</td>
</tr>
<tr>
<td>CEG1713</td>
<td>Data Science 1</td>
<td>10</td>
<td>10</td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CEG1716</td>
<td>Geospatial Mathematics and Statistics</td>
<td>30</td>
<td>20</td>
<td>10</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
2. **Stage 2**

All candidates shall take the following compulsory modules:

<table>
<thead>
<tr>
<th>Code</th>
<th>Descriptive title</th>
<th>Total Credits</th>
<th>Credits Sem 1</th>
<th>Credits Sem 2</th>
<th>Level</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG2704</td>
<td>Geographic Information Systems: Theory and Application</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2707</td>
<td>Map Projections and Geodetic Datums</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2726</td>
<td>Photogrammetry and Laser Scanning</td>
<td>20</td>
<td>20</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2710</td>
<td>GNSS Theory and Practice</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2720</td>
<td>Geomatics Practice and Research</td>
<td>10</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2721</td>
<td>Spatial Data Modelling and BIM</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2722</td>
<td>Data Science 2</td>
<td>10</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2723</td>
<td>Digital Data Acquisition</td>
<td>20</td>
<td>20</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2727</td>
<td>Geospatial Data Analysis 1</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>CEG2728</td>
<td>Geospatial Data Analysis 2</td>
<td>10</td>
<td>10</td>
<td></td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

3. **Intercalating Year – H249 & H246 only**

(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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Descriptive title</th>
<th>Total Credits</th>
<th>Credits Sem 1</th>
<th>Credits Sem 2</th>
<th>Level</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCL3000</td>
<td>Careers Service Placement Module</td>
<td>120</td>
<td>60</td>
<td>60</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>
4. **Stage 3**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Descriptive title</th>
<th>Total Credits</th>
<th>Credits Sem 1</th>
<th>Credits Sem 2</th>
<th>Level</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEG3702</td>
<td>Advanced Survey Fieldcourse</td>
<td>20</td>
<td>20</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3703</td>
<td>Professional Practice</td>
<td>10</td>
<td>10</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3707</td>
<td>Geohazards and Deformation of the Earth</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3716</td>
<td>Geospatial Informatics</td>
<td>10</td>
<td>10</td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3710</td>
<td>Offshore Surveying</td>
<td>10</td>
<td></td>
<td>10</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3717</td>
<td>Applied Geospatial Data Handling</td>
<td>10</td>
<td></td>
<td>10</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG3799</td>
<td>Individual Research Project</td>
<td>30</td>
<td>15</td>
<td>15</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CEG2726</td>
<td>Photogrammetry and Laser scanning</td>
<td>20</td>
<td></td>
<td>20</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

5. **Assessment methods**

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

6. **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.