



### MODULE SPECIFICATION

| Part 1: Information       |  |                    |  |
|---------------------------|--|--------------------|--|
| Module Title              | Earth Science  |                    |  |
| Module Code               | UBGLYD-30-1  | Level              | Level 4                                |
| For implementation from   | 2018-19  |                    |  |
| UWE Credit Rating         | 30   | ECTS Credit Rating | 15                                     |
| Faculty                   | Faculty of Environment & Technology  | Field              | Geography and Environmental Management |
| Department                | FET Dept of Geography & Environmental Mgmt   |                    |  |
| Contributes towards       | Geography [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19<br>Geology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19<br>Geography [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19<br>Geology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19 |                    |  |
| Module type:              | Standard   |                    |  |
| Pre-requisites            | None   |                    |  |
| Excluded Combinations     | None   |                    |  |
| Co- requisites            | None   |                    |  |
| Module Entry requirements | None   |                    |  |

| Part 2: Description   |
|---|
| <p><b>Educational Aims:</b> See Learning Outcomes.</p> <p><b>Outline Syllabus:</b> Tectonics and the interior of the Earth</p> <p>Geology, including weathering and erosion</p> <p>Meteorology</p> <p>Hydrology</p> <p>Geomorphology:</p> |

## STUDENT AND ACADEMIC SERVICES

Form and process in glacial environments  
Form and process in periglacial environments  
Form and process in karst environments  
Long term landscape evolution

**Teaching and Learning Methods:** Scheduled learning on this module includes lectures and practical classes.

Independent learning includes time engaged with essential and self-directed reading, practical completion and assessment preparation and completion.

Students will receive - on average - 3 hours' contact time per week. This will be predominantly be in the form of keynote lectures and lab or computer-based practical sessions.

The amount of time spent on activities in the module is shown below in hours:

Contact time: 72  
Assimilation and development of knowledge: 148  
Exam preparation: 40  
Coursework preparation: 40  
Total study time: 300

### Part 3: Assessment

#### Summative Assessment

Component A - Examinations (2 x 1 hours ) – learning outcomes 1, 2, 3 and 4:

Written examinations

Timing: end of semesters one and two

Unseen short answer questions with a seen essay question

Students will need to respond to short answer questions and write an essay

Essay answers will be assessed according to the following criteria:

1. Relevance of the content of the essay to the question set
2. Structure and organisation
3. Grounding in literature, and use of evidence and supporting material
4. Clarity, coherence and depth of argument
5. Standards of literacy and presentation

Component B – portfolio of practical work – learning outcomes 5 and 6:

Collection of pieces of work drawn from practicals completed throughout the academic year.

Timing: end of semester 2

Equivalent to 2000 words.

Portfolios will be assessed according to the following criteria:

1. Relevance of the content of the work to the question set
2. Depth of interpretation of data
3. Standards of literacy and presentation

Formative work:

Opportunities for formative feedback on practical outputs during the delivery of the relevant theme.

## STUDENT AND ACADEMIC SERVICES

| Mock exam at the end of each semester. |                  |                   |                         |
|--|------------------|-------------------|-------------------------|
|  |                  |                   |                         |
| First Sit Components                   | Final Assessment | Element weighting | Description             |
| Portfolio - Component B                |                  | 50 %              | Practical portfolio     |
| Examination - Component A              | ✓                | 25 %              | Exam (1 hour)           |
| Examination - Component A              |                  | 25 %              | Exam (1 hour)           |
| Resit Components                       | Final Assessment | Element weighting | Description             |
| Project - Component B                  |                  | 50 %              | Resit practical project |
| Examination - Component A              | ✓                | 50 %              | Re-sit exam (2 hours)   |

### Part 4: Teaching and Learning Methods

|                   |   |  |
|-------------------|---|--|
| Learning Outcomes | On successful completion of this module students will be able to: |  |
|                   |   | <b>Module Learning Outcomes</b>  |
|                   | MO1   | Demonstrate an understanding of how the physical components of the earth are formed                    |
|                   | MO2   | Demonstrate an understanding of the processes that shape the surface of the earth at a range of scales |
|                   | MO3   | Demonstrate an understanding of key philosophical concepts in earth science                            |
|                   | MO4   | Demonstrate independent engagement with earth science academic literature                              |
|                   | MO5   | Demonstrate an ability to interpret earth science data in tabular, graphical and map form              |
|                   | MO6   | Demonstrate an ability to produce accurate and professional analytical outputs                         |
| Contact Hours     | <b>Contact Hours</b>  |  |
|                   |   |  |
|                   | <b>Independent Study Hours:</b>                                   |  |
|                   | Independent study/self-guided study                               | 228  |
|                   | <b>Total Independent Study Hours:</b>                             | 228  |

## STUDENT AND ACADEMIC SERVICES

|              |   |     |
|--------------|---|-----|
|              | <b>Scheduled Learning and Teaching Hours:</b>   |     |
|              | Face-to-face learning   | 72  |
|              | <b>Total Scheduled Learning and Teaching Hours:</b>   | 72  |
|              | <b>Hours to be allocated</b>  | 300 |
|              | <b>Allocated Hours</b>  | 300 |
| Reading List | <p><i>The reading list for this module can be accessed via the following link:</i></p> <p><a href="https://uwe.rl.talis.com/modules/ubglyd-30-1.html">https://uwe.rl.talis.com/modules/ubglyd-30-1.html</a></p> |     |