



## **Module Specification**

### **Environmental Challenges**

Version: 2022-23, v4.0, 19 Jul 2022

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## Part 1: Information

**Module title:** Environmental Challenges

**Module code:** UBGLXD-30-1

**Level:** Level 4

**For implementation from:** 2022-23

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Environment & Technology

**Department:** FET Dept of Geography & Environmental Mgmt

**Partner institutions:** None

**Delivery locations:** Frenchay Campus, Global College of Engineering and Technology (GCET)

**Field:** Geography and Environmental Management

**Module type:** Standard

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** This module will introduce students you to the science behind key environmental challenges that face humankind during the 21st century.

**Features:** Not applicable

**Educational aims:** See Learning Outcomes

**Outline syllabus:** This module will involve the study of the science behind various key environmental challenges, which may include:

Climate change

Soil use and management

Ecological challenges

Pollution

Flooding

Air Quality

The syllabus of the module will also develop academic writing skills, for instance, with respect to finding and evaluating different types of literature and developing evidenced-based arguments. The syllabus will also provide introductory content surrounding the nature, sampling and collection of environmental data, and different approaches and techniques relating to data analysis. It will also provide content on how important environmental messages and trends can be communicated and visualised using a variety of tools and methods.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** The module will be taught using a combination of lectures, workshops and computer practicals and assessed using a combination of written assignments and a practical portfolio. The lectures will be used to teach the theoretical content of the module, which will be assessed by the written assignments. Practical workshops will be used to develop, and allow for the application of skills, relating to academic writing and the collection, analysis and communication of environmental data.

**Module Learning outcomes:** On successful completion of this module students will achieve the following learning outcomes.

**MO1** Demonstrate an understanding of the science behind some key environmental challenges facing humankind in the 21st century

**MO2** Demonstrate critical and reflective engagement with a variety of academic and non-academic literature to support the understanding of key environmental challenges.

**MO3** Use evidence and literature to write structured and well-argued academic contributions on key environmental challenges.

**MO4** Select and apply appropriate sampling approaches and statistical methods to investigate a defined environmental challenge.

**MO5** Analyse, communicate and visualise research data using a variety of tools and methods.

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubglxd-30-1.html) via the following link <https://uwe.rl.talis.com/modules/ubglxd-30-1.html>

## Part 4: Assessment

**Assessment strategy:** The module is assessed by two components. Both Component A and Component B are weighted at 50%.

Component A

Component A requires the submission of four equally-weighted written assignments that will need to be submitted during different stages of the module.

Element 1: Time constrained written assignment. End of Theme 1, middle of Teaching Block 1. Learning outcomes 1-3.

Element 2: Time constrained written assignment. End of Theme 2, End of Teaching Block 1. Learning outcomes 1-3.

Element 3: Time constrained written assignment. End of Theme 3, middle of Teaching Block 1. Learning outcomes 1-3.

Element 4: Time constrained written assignment. End of Theme 4, End of Teaching Block 1. Learning outcomes 1-3.

The written assignments will test the students' understanding of the processes that shape the surface of the earth, their ability to support this knowledge with evidence from peer-reviewed and non-academic literature, and their ability to communicate that knowledge in written form. Each written assignment will cover one of the thematic themes of the module. Each written assignment will extend to approximately 750 words.

Students will have the opportunity to receive formative feedback on their preparations for the written assignments within scheduled sessions.

## Component B

Portfolio of practical work (1000 words plus data analysis and visualisation).  
Learning outcomes 1, 4 and 5.

The practical portfolio will require the students to undertake project work that will require them to collect and source relevant data, apply statistical and mathematical analysis, and communicate and visualise arising results and observations. Although there will be opportunities for the students to collaborate, the final portfolio will be individually submitted and assessed. The portfolio timeline (throughout TB1 and TB2) allows for integration between the tasks and all thematic themes covered in the lectures and the supporting practical workshops.

Self-guided task materials will be provided to support the practical workshops and students will receive formative feedback on these tasks on completion. These tasks will need to be formally submitted for assessment, as a single portfolio, at the end of the project (taking into account assessor feedback where appropriate).

## Resit information

Students who fail Component A will be required to complete 4 separate assignments, again submitted in a time constrained way. Each of the four assignments will be 750 words. Students who are required to re-sit Component B (the Portfolio) will need to complete and re-submit the same tasks, taking into account assessor feedback where appropriate.

**Assessment components:****Written Assignment - Component A (First Sit)**

Description: Time constrained written assignment. End of Theme 2, End of Teaching Block 1. Learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (First Sit)**

Description: Time constrained written assignment. End of Theme 1, middle of Teaching Block 1. Learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (First Sit)**

Description: Time constrained written assignment. End of Theme 3, middle of Teaching Block 1. Learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (First Sit)**

Description: Time constrained written assignment. End of Theme 4, End of Teaching Block 1. Learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Portfolio - Component B (First Sit)**

Description: Portfolio of practical work (1000 words plus data analysis and visualisation)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO4, MO5

**Written Assignment - Component A (Resit)**

Description:

Time constrained written assignment linked to theme 1. Responds to Learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (Resit)**

Description:

Time constrained written assignment linked to theme 2. Responds to learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (Resit)**

Description: Time constrained written assignment linked to theme 3. Responds to learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (Resit)**

Description: Time constrained written assignment linked to theme 4. Responds to learning outcomes 1-3. 750 words.

Weighting: 12.5 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Portfolio - Component B (Resit)**

Description: Portfolio of practical work (1000 words plus data analysis and visualisation)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO4, MO5

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Geography [Sep][FT][Frenchay][3yrs] BSc (Hons) 2022-23

Geography [Sep][SW][Frenchay][4yrs] BSc (Hons) 2022-23

Geography [Sep][FT][Frenchay][3yrs] BA (Hons) 2022-23



Geography [Sep][SW][Frenchay][4yrs] BA (Hons) 2022-23

Geography [Frenchay] BSc (Hons) 2022-23

Geography [Frenchay] BA (Hons) 2022-23

Geography {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2021-22

Environmental Management {Foundation} [Sep][SW][Frenchay][5yrs] - Not Running BSc (Hons) 2021-22

Environmental Management {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2021-22

Geography {Foundation} [Sep][SW][Frenchay][5yrs] - Not Running BSc (Hons) 2021-22

Environmental Management and Practice {Foundation} [Feb][FT][GCET][4yrs] BSc (Hons) 2021-22

Environmental Management and Practice {Foundation} [Oct][FT][GCET][4yrs] BSc (Hons) 2021-22

Geography {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2021-22

Geography {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2021-22