



MODULE SPECIFICATION

Part 1: Information			
Module Title	Environmental Challenges		
Module Code	UBGLXD-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][SW][Frenchay][4yrs] BA (Hons) 2018-19 Geography [Sep][FT][Frenchay][3yrs] BA (Hons) 2018-19 Geography [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19 Geography [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description	
<p>Overview: This module will introduce you to the science behind key environmental challenges that face humankind during the 21st century.</p> <p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: This module will involve the study of the science behind various key environmental challenges, which may include:</p> <ul style="list-style-type: none"> Climate change Soil use and management Ecological challenges Pollution Flooding 	

STUDENT AND ACADEMIC SERVICES

Teaching and Learning Methods: The module will be taught using a combination of lectures and computer practical workshops and assessed using a combination of written exams and a practical portfolio. The lectures will be used to teach the theoretical content of the module, which will be assessed by the written exams. The computer practical workshops will be used to teach a range of GIS and remote sensing techniques, which will be assessed by the practical portfolio.

Part 3: Assessment

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

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Component A

Element 1: Written exam (1 hour). End of Teaching Block 1. Learning outcomes 1-3.

Element 2: Written exam (1 hour). End of Teaching Block 2. Learning outcomes 1-3.

The exams 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 literature, and their ability to communicate that knowledge in written form.

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

Component B

Portfolio of practical work (equivalent to 3000 words). Learning outcomes 4 and 5.

The practical portfolio will test the students' ability to perform the GIS and remote sensing techniques taught during the computer practical workshops.

Students will have opportunities to receive formative feedback on the practical outputs they produce during the scheduled computer practical workshops.

Resit information

Students who fail the module at the first attempt will be required to re-sit the exams as a single 2 hour examination and/or re-submit their practical portfolio as appropriate.

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Portfolio of practical work (equivalent to 3000 words)
Examination - Component A		25 %	
Examination - Component A	✓	25 %	Exam (1 hour)
Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Re-sit portfolio of practical work (equivalent to 3000 words)
Examination - Component A	✓	50 %	Re-sit exam (2 hours)

Part 4: Teaching and Learning Methods																			
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <table border="1"> <thead> <tr> <th colspan="2" style="text-align: center;">Module Learning Outcomes</th> </tr> </thead> <tbody> <tr> <td>MO1</td> <td>Demonstrate an understanding of the science behind some key environmental challenges facing humankind in the 21st century</td> </tr> <tr> <td>MO2</td> <td>Support their understanding of key environmental challenges with evidence from peer-reviewed literature</td> </tr> <tr> <td>MO3</td> <td>Communicate complex arguments about key environmental challenges in written form</td> </tr> <tr> <td>MO4</td> <td>Analyse data describing environmental challenges through the appropriate use of GIS and remote sensing techniques</td> </tr> <tr> <td>MO5</td> <td>Effectively communicate data describing key environmental change through the appropriate use of GIS and remote sensing techniques</td> </tr> </tbody> </table>	Module Learning Outcomes		MO1	Demonstrate an understanding of the science behind some key environmental challenges facing humankind in the 21st century	MO2	Support their understanding of key environmental challenges with evidence from peer-reviewed literature	MO3	Communicate complex arguments about key environmental challenges in written form	MO4	Analyse data describing environmental challenges through the appropriate use of GIS and remote sensing techniques	MO5	Effectively communicate data describing key environmental change through the appropriate use of GIS and remote sensing techniques						
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Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://uwe.rl.talis.com/modules/ubglxd-30-1.html</p>																		