



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Understanding River Dynamics		
Module Code	UBGMLV-15-2	Level	Level 5
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Environmental Mgmt		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Features:</b> Module entry requirements: 60 credits at level 1</p> <p><b>Educational Aims:</b> See Learning Outcomes.</p> <p><b>Outline Syllabus:</b> This module will cover a range of theoretical topics and practical skills relating to river systems.</p> <p>Theoretical topics may include the following:</p> <ul style="list-style-type: none"> <li>- River catchment hydrology</li> <li>- River channel flow hydraulics</li> <li>- River channel sediment transport</li> <li>- River catchment sediment supply</li> <li>- Adjustment of river channel form</li> </ul> <p>Practical skills may include:</p> <ul style="list-style-type: none"> <li>- Prediction of river flood risk</li> <li>- Field data collection</li> </ul>

## STUDENT AND ACADEMIC SERVICES

- Prediction of river channel adjustment
- Designing appropriate river channel form

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

Independent learning includes time engaged with essential reading, further reading, practical completion and assessment preparation and completion.

Students will receive – on average - 3 hours' contact time per week. This will be in a range of formats, including weekly keynote lectures, paper or computer-based practical sessions and fieldwork.

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

Contact time: 36  
 Assimilation and development of knowledge: 60  
 Exam preparation: 36  
 Coursework preparation: 18  
 Total study time: 150

### Part 3: Assessment

Summative assessment:

Component A - Portfolio of practical work. Equivalent to 3000 words. Learning outcomes 1-5. A selection of pieces of work drawn from practicals completed throughout the module.

Formative work:

Students will have the opportunity for feedback on each of the practical exercises during the scheduled contact sessions.

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component A	✓	100 %	Portfolio of practical work (equivalent to 3000 words)
Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component A	✓	100 %	Portfolio of practical work (equivalent to 3000 words)

### Part 4: Teaching and Learning Methods

Learning Outcomes On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	Reference
Describe and explain a range of processes that occur within river systems.	MO1
Provide peer-reviewed evidence for a range of processes that occur within river systems.	MO2
Apply a range of practical techniques to describe the processes that occur within river systems.	MO3
Accurately describe the method behind a range of practical techniques.	MO4
Accurately and professionally, present outputs from a range of practical techniques.	MO5

## STUDENT AND ACADEMIC SERVICES

Contact Hours	<b>Independent Study Hours:</b>	
	Independent study/self-guided study	114
	<b>Total Independent Study Hours:</b>	114
	<b>Scheduled Learning and Teaching Hours:</b>	
	Face-to-face learning	36
	<b>Total Scheduled Learning and Teaching Hours:</b>	36
	<b>Hours to be allocated</b>	150
	<b>Allocated Hours</b>	150
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p><a href="https://uwe.rl.talis.com/modules/ubgmlv-15-2.html">https://uwe.rl.talis.com/modules/ubgmlv-15-2.html</a></p>	

### Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Geology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Geology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2019-20

Geography {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2018-19

Geography {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19