



MODULE SPECIFICATION

Part 1: Information			
Module Title	Understanding River Dynamics		
Module Code	UBGMLV-15-2	Level	Level 5
For implementation from	2018-19		
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		
Contributes towards			
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Features: Module entry requirements: 60 credits at level 1</p> <p>Educational Aims: See Learning Outcomes.</p> <p>Outline Syllabus: Lecture topics: River catchment hydrology River channel flow hydraulics River channel sediment transport River catchment sediment supply Adjustment of river channel form Approaches to explanation with fluvial geomorphology</p> <p>Practical topics: Hydraulic analysis Field data collection Analysis of longitudinal changes in channel form Modelling of sediment dynamics</p>

STUDENT AND ACADEMIC SERVICES

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 - Examination (1 hour). Learning outcomes 1-4:

Written examination.

Students will answer one unseen essay question from a selection.

Answers will be assessed according to the following criteria:

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

Component B – Portfolio of practical work. Learning outcomes 5-6:

A selection of pieces of work drawn from practicals completed throughout the module.

Equivalent to 1500 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

Component A – A selection of example examination questions will be available to students. They will have the opportunity to self-assess their ability to answer these by comparing them to benchmark answers that will also be made available.

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

STUDENT AND ACADEMIC SERVICES

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Portfolio of practical work
Examination - Component A	✓	50 %	Examination (1 hour)
Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Portfolio of practical work
Examination - Component A	✓	50 %	Examination (1 hour)

Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will be able to:	
	Module Learning Outcomes	
	MO1 Describe and explain a variety of process and form inter-relationships in natural river systems	
	MO2 Demonstrate a critical awareness of different ways of conceptualising natural river systems	
	MO3 Demonstrate a critical awareness of academic literature describing the functioning of natural river systems	
	MO4 Produce coherent written arguments describing the way that natural river systems function	
	MO5 Apply a range of field and practical techniques to describe natural river systems	
	MO6 Accurately and professionally present outputs from a range of field and practical techniques to describe natural river systems	
Contact Hours	Contact Hours	
	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	114
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	36
	Total Scheduled Learning and Teaching Hours:	36
	Hours to be allocated	150
	Allocated Hours	150
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://uwe.rl.talis.com/modules/ubgmlv-15-2.html</p>	