

MODULE SPECIFICATION

Part 1: Information						
Module Title	Integrated Water Management					
Module Code	UBGLW8-30-3		Level	Level 6		
For implementation from	2019-	2019-20				
UWE Credit Rating	30		ECTS Credit Rating	15		
Faculty	Faculty of Environment & Technology		Field	Geography and Environmental Management		
Department	FET [ET Dept of Geography & Envrnmental Mgmt				
Module type:	Standard					
Pre-requisites		None				
Excluded Combinations		None				
Co- requisites		None				
Module Entry requirements		None				

Part 2: Description

Overview: Pre-requisites 60 credits at level 2

Educational Aims: See learning outcomes.

Outline Syllabus: Theme 1: Introduction to water services and their management in the 21st

century: natural and social scientific perspectives:

History and evolution

From natural water to hydrosocial water

Water, economics and policy

Theme 2: Integrated water management: challenges and constraints:

The IWRM movement

Water management and land management

Key technical, economic and policy challenges

STUDENT AND ACADEMIC SERVICES

Technological solutions: opportunities and challenges

Theme 3: Water related ecosystems services and the future of water management:

The ecosystems services approach

Payment for ecosystems services

Water-related ecosystems services

Teaching and Learning Methods: Scheduled learning on this module includes lectures, within which students will at times work in breakout discussion groups.

Independent learning includes time engaged with essential reading, case study preparation and assessment preparation and completion.

Field Visits may be scheduled where appropriate and where the opportunity arises.

Formative work Students will receive formative feedback via discussions and exercises as the module progresses. Formative feedback for the examination may include the use of past papers, or a mock exam.

Part 3: Assessment

Component A Examination (2 Hours) learning outcomes 1,3,5,6

Component A is assessed by an unseen 2-hour examination that will require students to demonstrate knowledge of key ideas, concepts and practices encountered during the module. The form of assessment is considered to be the most appropriate on the basis that it will allow students to develop clear and coherent arguments and provide opportunities for research surrounding case studies and examples to be presented. Students will be expected to refer to appropriate reading and demonstrate appropriate standards of literary and presentation.

Component B Portfolio learning outcomes 1,2,3,4,5,6

Component B comprises a portfolio of written work (equivalent to 2,500 words). Some elements will be technical, while other elements will be more conceptual and will test competence in the above Learning Outcomes. Some exercises will be formative in nature, attracting detailed formative commentary from lecturers, whilst others will be summative and will therefore contribute to the mark for this component.

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Portfolio
Examination - Component A	✓	50 %	Unseen Exam (2 hours)
Resit Components	Final Assessment	Element weighting	Description
Portfolio - Component B		50 %	Portfolio
Examination - Component A	✓	50 %	Unseen Exam (2 hours)

	Part 4: Teaching and Learning Methods			
Learning Outcomes	On successful completion of this module students will achieve the follow	ving learning	outcomes:	
	Module Learning Outcomes			
	Describe the evolution of integrated water management frameworks p especially to fresh water systems, with appropriate reference to technology applications		MO1	
	Discuss the historical background of water services provision in UK, European and world contexts			
	Discuss the evolving policy and practice of water management princip addressing water quality, water resources, flood management, biodive fisheries and their progressive integration		MO3	
	Articulate the challenges of and constraints on improving efficiency in consumption of water services in domestic, commercial and agricultural sectors			
	Articulate an understanding of the evolution of systems thinking, ecosy thinking, the Ecosystem Approach and ecosystem services, and the in of this for the continued evolution of integrated water and environment management contexts	nplications	MO5	
	Demonstrate critical engagement with academic and policy-based literature			
Contact Hours	Independent Study Hours:			
	Independent study/self-guided study		228	
	Total Independent Study Hours:	2	28	
	Scheduled Learning and Teaching Hours:			
	Face-to-face learning		'2	
	Total Scheduled Learning and Teaching Hours:			
	Hours to be allocated	3	00	
	Allocated Hours	3	00	
Reading	The reading list for this module can be accessed via the following link:			
List	https://uwe.rl.talis.com/index.html			

	Part 5: Contributes Towards
Tł	his module contributes towards the following programmes of study: