



## **Module Specification**

### **Managing Rivers and Coasts**

Version: 2025-26, v3.0, Approved

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## Part 1: Information

**Module title:** Managing Rivers and Coasts

**Module code:** UBGMXD-30-3

**Level:** Level 6

**For implementation from:** 2025-26

**UWE credit rating:** 30

**ECTS credit rating:** 15

**College:** College of Arts, Technology and Environment

**School:** CATE School of Architecture and Environment

**Partner institutions:** None

**Field:** Geography and Environmental Management

**Module type:** Module

**Pre-requisites:** Understanding Coastal Dynamics 2025-26, Understanding River Dynamics 2025-26

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

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

## Part 2: Description

**Overview:** This module explores the challenges and problems faced by coast and river systems and supports students to design and present detailed management plans to address these issues.

**Pre-requisites:** Students must have completed UBGMLE-15-2 Understanding

Coastal Dynamics AND UBGMLV-15-2 Understanding River Dynamics before starting this module.

**Features:** Module Entry requirements: 60 credits at Level 2

**Educational aims:** Students are supported to explore challenges and problems faced by coastal and river systems through case study locations. At each location students are guided in designing and presenting a professional document to address the issues. The style of the documents produced (a river management plan and a coastal management plan) are structure to replicate a consultancy document to develop student employability skills.

**Outline syllabus:** The syllabus is likely to include but not limited to:

Introduction to coastal zone management

Sea-level rise and global coastal problems

Beach management

Sand dune management

Saltmarsh management

Sea walls and coastal zone management

Engineering solutions at the coast

The future of coastal zone management

Introduction to river management

Assessing river channel condition (flood risk; morphological stability; physical habitat; water quality; ecology)

Managing river channel condition (flood risk; morphological stability; physical habitat; water quality; ecology)

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

**Teaching and learning methods:** Scheduled learning on this module includes lectures, supervision meetings and fieldwork.

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

Students will receive – on average – 3 hours' contact time per week. This will be in a range of formats, including weekly keynote lectures, supervision meetings and fieldwork.

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

Activity (Hours):

Contact time (72)

Assimilation and development of knowledge (156)

Coursework preparation (72)

Total study time (300)

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

**MO1** Assess and describe the condition and challenges associated with fluvial and coastal systems

**MO2** Evaluate, apply and justify a range of techniques to improve the condition and manage fluvial systems

**MO3** Evaluate, apply and justify a range of techniques to improve the condition and manage coastal systems

**MO4** Produce professional quality environmental management reports

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubgmxd-30-3.html) via the following link <https://uwe.rl.talis.com/modules/ubgmxd-30-3.html>

## Part 4: Assessment

**Assessment strategy:** Summative Assessment

Report – Coastal environmental management report (4,000 words).

Report - River management report (4,000 words).

Resit Reports - a similar brief to that described above, which may include some topic changes.

**Formative Assessment**

For each report students will receive feedback on the development of their plans through a combination of individual and group meetings.

**Assessment tasks:**

**Report (First Sit)**

Description: Coastal management report (4000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO4

**Report (First Sit)**

Description: River management report (4000 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4

**Report (Resit)**

Description: Coastal management report (4000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO3, MO4

**Report (Resit)**

Description: River management report (4000 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Geography [Frenchay] BSc (Hons) 2023-24

Environmental Management [Frenchay] BSc (Hons) 2023-24

Environmental Management {Apprenticeship-UWE} [Sep][FT][Frenchay][5yrs] BSc (Hons) 2021-22

Environmental Management {Apprenticeship-UWE} [Sep][FT][Frenchay][5yrs] BSc (Hons) 2021-22

Geography [Frenchay] BSc (Hons) 2022-23

Environmental Management [Frenchay] BSc (Hons) 2022-23