



Module Specification

Coastal Management

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Part 1: Information

Module title: Coastal Management

Module code: UBGMLD-15-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Geography & Environmental Mgmt

Partner institutions: None

Field: Geography and Environmental Management

Module type: Module

Pre-requisites: River and Coastal Science for Engineering 2022-23, Understanding Coastal Dynamics 2023-24

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes.

Outline syllabus: The status of coastal zone systems, an introduction to coastal zone management – coastal defence, sea defence, amenity, conservation,

development.

Sea-level rise and the evaluation of global coastal problems – hazard and risk.

Site investigation and appraisal: the identification, evaluation (including on- and off-site sustainability) and selection of techniques and methods for:

Beach management.

Sand dune management.

Saltmarsh management.

Soft rock cliff management.

Conceptual design, element design. Design and evaluation of engineering solutions at the coast. Choice of appropriate technology, scale and environmental impact assessment.

Health and safety, ethics and environmental risk.

The future of coastal zone management.

Part 3: Teaching and learning methods

Teaching and learning methods: 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 is shown below:

Contact time is 36 hours

Assimilation and development of Knowledge is 75 hours

Coursework preparation is 39 hours

Total Study time is 150 hours.

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.

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

MO1 Critically evaluate a range of techniques to assess the status of coastal systems

MO2 Assess and describe the status of coastal systems

MO3 Identify appropriate management priorities within coastal systems

MO4 Critically evaluate a range of engineering and other options for improving the status of complex coastal systems

MO5 Design engineering solutions (hard and soft/natural), and present an economically viable management schemes for improving the status of coastal systems

MO6 Produce professional quality environmental management reports

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubgml-15-3.html) via the following link <https://uwe.rl.talis.com/modules/ubgml-15-3.html>

Part 4: Assessment

Assessment strategy: Summative Assessment

Assessment Task 1 – Coastal management report. Learning outcomes 1-6

Reports will be assessed according to the following criteria:

1. The application of theoretical and practical work to describe key geomorphological and social factors affecting the health of a chosen section of coastline.
2. The identification of, and critical analysis of coastal management problems faced by the section of coast, including an evaluation of existing management.
3. Identification and critical review of potential management options that could be applied to the section of coast.
4. The design, development and review of a coastal engineering plan using critical justification of identified management options.
5. Effective consideration of the implementation, and the evaluation of the proposed design.
6. Level of professionalism in the presentation of the management report – layout, text, quality of English, referencing, image quality.

Formative work

Students will receive feedback on their management plans through a 'consultancy' style group meeting and submission of a one page Executive Summary for comment.

Assessment tasks:

Report (First Sit)

Description: Coastal management report (4000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Report (Resit)

Description: Coastal management report (4000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Civil Engineering [Jan][FT][Northshore][4yrs] - Not Running MEng 2021-22

Civil Engineering [Jan][FT][Northshore][3yrs] - Not Running BEng (Hons) 2021-22