



Module Specification

Understanding Coastal Dynamics

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Part 1: Information

Module title: Understanding Coastal Dynamics

Module code: UBGMLE-15-2

Level: Level 5

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: None

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 syllabus includes:

Lecture topics:

Coastal processes: waves and tides

Estuary processes and landforms

Erosional coasts

Wave dominated coasts

Tide dominated coasts

Wind dominated coasts

Practical topics:

Aerial photograph and geological map interpretation

Particle size and shape analysis

Field data collection

Part 3: Teaching and learning methods

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.

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

MO1 Use computer, laboratory and field data to effectively describe and explain a variety of process and form inter-relationships in natural coastal systems

MO2 Demonstrate a critical awareness of different ways of conceptualising natural coastal systems and the associated academic literature.

MO3 Produce coherent written arguments describing influence of coastal processes on the development of coastal landforms

MO4 Apply a range of field and practical techniques to investigate coastal systems and present them in a professional portfolio.

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/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: The assessment for this module is designed to assess:

The application of theoretical understanding of coastal landforms developed in the lectures applied to a series of computer and laboratory practical sessions. This will be assessed in a portfolio of practical exercises and a field visit.

Summative Assessment:

Practical Portfolio (Equivalent to 3000 words). The lecture, practical and seminar sessions in this module will all support students to develop their portfolio providing feedback on student's progress throughout and in a 1-2-1 discussion of a draft submission.

Resit Portfolio - a similar brief to that described above.

Assessment tasks:

Portfolio (First Sit)

Description: Practical portfolio (3000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Portfolio (Resit)

Description: Practical portfolio (3000 words)

Weighting: 100 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Geology [Sep][SW][Frenchay][4yrs] - Not Running BSc (Hons) 2022-23

Geology [Sep][FT][Frenchay][3yrs] - Not Running BSc (Hons) 2022-23

Geography [Frenchay] BSc (Hons) 2022-23

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

Geography {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BSc (Hons) 2021-22

Geography {Foundation} [Sep][SW][Frenchay][5yrs] - Not Running BSc (Hons) 2021-22