



## **Module Specification**

### **Understanding River Dynamics**

Version: 2023-24, v2.0, 25 Jul 2023

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## Part 1: Information

**Module title:** Understanding River Dynamics

**Module code:** UBGMLV-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:** Module entry requirements: 60 credits at level 1

**Educational aims:** See Learning Outcomes.

**Outline syllabus:** This module will cover a range of theoretical topics and practical skills relating to river systems.

Theoretical topics may include the following:

- River catchment hydrology
- River channel flow hydraulics
- River channel sediment transport
- River catchment sediment supply
- Adjustment of river channel form

Practical skills may include:

- Prediction of river flood risk
- Field data collection
- Prediction of river channel adjustment
- Designing appropriate river channel form

### **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** Describe and explain a range of processes that occur within river systems.

**MO2** Provide peer-reviewed evidence for a range of processes that occur within river systems.

**MO3** Apply a range of practical techniques to describe the processes that occur within river systems.

**MO4** Accurately describe the method behind a range of practical techniques.

**MO5** Accurately and professionally, present outputs from a range of practical techniques.

**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/ubgmlv-15-2.html) via the following link <https://uwe.rl.talis.com/modules/ubgmlv-15-2.html>

## Part 4: Assessment

**Assessment strategy:** Summative assessment:

Portfolio of practical work. Equivalent to 3000 words. A selection of pieces of work drawn from practicals completed throughout the module.

Formative work:

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

**Assessment tasks:**

**Portfolio** (First Sit)

Description: Portfolio of practical work (equivalent to 3000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

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

**Portfolio (Resit)**

Description: Portfolio of practical work (equivalent to 3000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

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

**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