



## **Module Specification**

### **Hazard and Disaster Management**

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## Part 1: Information

**Module title:** Hazard and Disaster Management

**Module code:** UBGMQR-30-3

**Level:** Level 6

**For implementation from:** 2022-23

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Environment & Technology

**Department:** FET Dept of Geography & Environmental Mgmt

**Partner institutions:** None

**Delivery locations:** Frenchay Campus

**Field:** Geography and Environmental Management

**Module type:** Standard

**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: 90 credits at level two

**Educational aims:** See Learning Outcomes.

**Outline syllabus:** This module will cover the following:

The nature of hazards and disasters

The management of hazards and disasters In depth review of the nature and management of a selection of different hazard types, which may include:

Tectonic hazards

Mass movement hazards

Hydrological hazards

Meteorological hazards

Air quality hazards

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

**Teaching and learning methods:** This module will first give students an understanding of a range of hazard environments and processes, which might include topics such as coastal flooding, volcanic hazards, earthquakes, landslides, drought etc.

In the second half of the modules students will explore the analysis, management, and communication of risk through a variety of activities. This will include geospatial mapping of risk using GIS tools.

The majority of content will be delivered through a combination of lecture and practical sessions, with some groups discussion and decision-making simulation activities.

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

**MO1** Demonstrate an understanding of the nature of a selection of hazards and disasters

**MO2** Demonstrate a critical understanding of the ways in which a selection of hazards and disasters can be managed

**MO3** Use peer-reviewed evidence to support and communicate complex arguments

**MO4** Make use of geo-spatial technology to support a hazard and disaster management plan

**MO5** Work quasi-independently (under academic supervision) to design a suitable management plan for a specified hazard

**MO6** Communicate a detailed management plan verbally and visually

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

**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 module is assessed by two components. Component A is worth 70% and Component B is worth 30%.

Component A:

There are three elements to Component A:

2 x Case study reports ( each 1200 word equivalent):

These will test the students' critical understanding of the nature and management of different hazards, their ability to support this knowledge with evidence from peer-reviewed literature, and their ability to communicate that knowledge in written form.

Students will have the opportunity to receive formative feedback on their understanding of the different hazards through the scheduled practical activities linked to each hazard type.

1 x element of crisis communication (600 word equivalent):

This submission, in response to a detailed hazard scenario challenges the students' ability to communicate complex hazard information in a manner appropriate for public consumption, in a format of either a publication in a newspaper, or a blog or an infographic

Component B:

Individual management plan presentation (20 minutes):

The presentation will test the students' ability to understand the nature of a specified hazard, design an appropriate management plan for that hazard, incorporate geo-spatial technology within the management plan, and effectively communicate the management plan in the form of a visual and verbal presentation.

Students will have the opportunity to receive formative feedback on their management plan presentation within a series of supervision workshops.

Resit information:

Students who fail the module at the first attempt will be required to submit a new written assessment and/or re-deliver their presentation as appropriate.

**Assessment components:**

**Written Assignment - Component A (First Sit)**

Description: Element 1 - Case study report equivalent to 1200 words

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (First Sit)**

Description: Element 2 - Case study report equivalent to 1200 words

Weighting: 25 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Written Assignment - Component A (First Sit)**

Description: Element 3 - crisis communication (600 word equivalent):

This submission, in response to a detailed hazard scenario challenges the students' ability to communicate complex hazard information in a manner appropriate for public consumption, in a format of either a publication in a newspaper, or a blog or an infographic

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Presentation - Component B (First Sit)**

Description: Individual management plan presentation (20 mins)

Weighting: 30 %

Final assessment: Yes

Group work: No

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

**Written Assignment - Component A (Resit)**

Description: Element 1 - Case study report equivalent to 3000 words

Weighting: 70 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Presentation - Component B (Resit)**

Description: Individual management plan presentation (20 mins)

Weighting: 30 %

Final assessment: Yes

Group work: No

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

## **Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Geography [Sep][FT][Frenchay][3yrs] BSc (Hons) 2020-21

Geography {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2019-20

Geography [Sep][SW][Frenchay][4yrs] BSc (Hons) 2019-20

Geography {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2018-19