Module Specification

Hazard and Disaster Management

Version: 2025-26, v4.0, 20 Jan 2025

Contents

Part 1: Information

Module title: Hazard and Disaster Management

Module code: UBGMQR-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: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: In this module students will explore a range of natural hazard events and how we can mitigate and adapt to minimise risk. A diverse range of hazards and case studies will be used throughout the module.

Features: Not applicable

Educational aims: This module begins by exploring a range of natural hazard case studies and allows students to develop and understanding of the natural hazard

management cycle. Students will be expected to critically engage with these case studies and build up an understanding of a diverse range of issues associated with the management of natural hazards. In Part 2 of the module students will develop their own hazard management plan in response to a given scenario/case study. In doing so students will draw upon existing data analysis and communication skills.

Outline syllabus: Key topic areas covered on this module may include:

- Geological and tectonic hazards (e.g. earthquakes, landslides, tsunamis, and volcanoes)
- Climate and associated hazards (e.g. severe storms, hurricanes, drought and flooding
- Disasters and conflict (e.g. environmental degradation, resource issues, and conflict management)

Students will also develop skills in: written and verbal communication, data analysis and presentation, GIS, and critical evaluation.

Part 3: Teaching and learning methods

Teaching and learning methods: Teaching on the module will take place through a series of lectures and workshops which support the students in the development of their assessed reports and presentations. Formative feedback opportunities will be built into the module to allow students to respond and develop their work prior to summative assessment.

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 drawing on relevant peer-reviewed evidence and datasets as appropriate.

MO3 Work quasi-independently (under academic supervision) to design a suitable management plan for a specified hazard and communicate this verbally and visually.

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

Part 4: Assessment

Assessment strategy: This module will be assessed by two equally weighted tasks.

Written Report (4000 Words): In this written coursework report students will work through the hazard management cycle using case studies to explore key issues associated with hazard management (e.g. preparedness before and event, or the response following a hazard). Students will be expected to draw upon relevant academic literature and datasets (e.g. GIS mapping) to support their evaluation of management issues.

Presentation (20mins): Throughout Part 2 of the module students will be supported (2 hour timetabled formative support sessions) in developing a hazard management plan in response to a case study/scenario students will have a lot of autonomy in selecting the focus of the study. Students will be expected to draw upon the learning and feedback from the report element above in this work, Students will need to critically review their chosen hazard event (e.g. highlighting areas of exposure and vulnerability) and propose options to minimise risk through hazard mitigation and adaption. Students will be expected to draw upon relevant academic literature and datasets (e.g. GIS mapping) to support their management plan.

Assessment tasks:

Report (First Sit)
Description: Report (4000 words).
Weighting: 50 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2

Presentation (First Sit)
Description: Presentation (20 minutes).
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Report (Resit)
Description: Report (4000 words).
Weighting: 50 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2

Presentation (Resit)
Description: Presentation (20 minutes).
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

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