

Module Information

2022.01, Approved

Summary Information

Module Code	4304NATSCI
Formal Module Title	Hazards
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	24
Off Site	5
Practical	22
Workshop	7

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To provide an understanding of the environmental and human impacts associated with natural, anthropogenic and cascading hazards.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain the nature of hazards and their impact on the environment
MLO2	2	Use practical skills to collect, analyse and present information relating to hazards
MLO3	3	Recognise and discuss the environmental, social and economic factors associated with hazard mitigation

Module Content

Outline Syllabus	An introduction to a range of natural, anthropogenic and cascading hazards. These can be pollution, flooding, hurricanes, volcanic eruptions, earthquakes, wildfires, pandemics, heatwaves etc. Exploration of hazard impacts on the physical and human environment including adaptation and mitigation. Practical and workshop activities will include mapping of impacted areas and other case study examples.
Module Overview	This module presents an overview of natural resources and the environmental and human hazards associated with their exploitation. A range of natural hazards are also examined (including floods, hurricanes, volcanic eruptions and earthquakes) and their causes, effects and mitigation strategies evaluated.
Additional Information	This module presents an overview of the natural anthropogenic and cascading hazards. The range of hazards includes floods, hurricanes, volcanic eruptions, earthquakes, wildfires, heatwaves and pandemics. Mitigation strategies for some hazards are evaluated.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Exam	50	2	MLO1, MLO3
Report	Practical Report	50	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sarah Percival	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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