

Climate Change From a Scientific and Human Perspective

Module Information

2022.01, Approved

Summary Information

Module Code	7123NATSCI
Formal Module Title	Climate Change From a Scientific and Human Perspective
Owning School	Biological and Environmental Sciences
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	14
Off Site	8
Practical	6
Workshop	12

Module Offering(s)

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

Aims and Outcomes

Aims	To provide knowledge and understanding on the physical basis of climate change as well as an advanced introduction to climate change impacts and social and political responses.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate knowledge and understand of the physical basis of climate change.
MLO2	2	Critically evaluate knowledge and understanding of social and political impacts of climate change.
MLO3	3	Critically evaluate the political responses to the climate change problem.

Module Content

Outline Syllabus	Physical basis of climate change. Advanced introduction to climate change impacts (atmosphere, ocean, terrestrial, biosphere). Climate models. Social and political aspects of climate change: UK, Europe and beyond. Concepts of mitigation, adaptation and sustainability.
Module Overview	This module provides information on the physical basis of climate change, as well as an introduction to climate change impacts (atmosphere, ocean, terrestrial, biosphere) and social and political responses, including the concepts of mitigation, adaptation and sustainability.
Additional Information	This module will provide critical understanding of climate change from a human and physical perspective which will be needed throughout the degree.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Executive summary report	50	0	MLO1, MLO2
Essay	Essay	50	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Laura Edwards	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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