

Module Information

2022.02, Approved

Summary Information

Module Code	5405NATSCI
Formal Module Title	Impact of Climate Change On Biological Processes
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	24
Practical	18
Workshop	6

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To provide students with Scientific knowledge underpinning climate change biology. How the changing climate affects biological processes in animals and plants and the consequential effect on humans. To equip the students with the necessary knowledge, skills and techniques that are used to measure the effects of climate change on biological processes.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Gain practical and theoretical understanding on how terrestrial and aquatic plants and algae are influenced by climate change drivers
MLO2	2	Gain practical and theoretical understanding on how terrestrial and aquatic animals are influenced by climate change drivers
MLO3	3	Gain theoretical understanding on how human health and disease are influenced by climate change drivers

Module Content

Outline Syllabus	Terrestrial plants, aquatic plants and algae, terrestrial and aquatic animals. Soils. Impacts on pollution and health and disease.
Module Overview	This module enables you to examine the key biological processes that are affected in plants and animals due to climate change driven biotic and abiotic stresses. This will include examining from biochemical to organismal processes and their link to the environment.
Additional Information	This module will examine the key biological processes that are affected in plants and animals due to climate change driven biotic and abiotic stresses. This will include examining from biochemical to organismal processes and their link to the environment.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Test	Series of tests and report	60	0	MLO1, MLO2
Centralised Exam	Exam	40	2	MLO1, MLO3, MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Richard Webster	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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