Applied Marine Biology

Module Information

2022.01, Approved

Summary Information

Module Code	6213NATSCI
Formal Module Title	Applied Marine Biology
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	16
Off Site	16
Practical	9
Seminar	6
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 advance understanding of major biological features of the marine environment and appraise the human impacts as well as the exploitation of marine resources. Develop an advanced understanding of the physiology, ecology, genetics and behaviour of marine organisms in a number of major taxonomic groups. The module will develop an ability to evaluate many of the sampling and analysis methods relevant to marine sciences. Students will analyse data collected normally in groups to produce an individual presentation similar to a short conference presentation.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Assess the importance and impact of maritime industries on marine life.
MLO2	2	Critically evaluate the use of field and laboratory equipment to sample, identify, and analyse marine biological samples
MLO3	3	Report findings of a research topic as a presentation to a professional standard
MLO4	4	Demonstrate an awareness of the complex interactions within the marine environment and the opportunities for exploitation in various parts of the world and the risks associated with their use

Module Content

Outline Syllabus	Advanced understanding of biological issues in marine ecosystems including physiology, genetics and behaviour. Impact of humans on marine systems and exploitation of systems. Assessing methods used within the marine field and comparing methods used.
Module Overview	This module enables you to form an advanced understanding of major biological features of the marine environment, the impacts of man and the exploitation of marine resources. You will develop an understanding of many practical skills required within the marine science sector and develop an understanding of the physiology, ecology, genetics and behaviour of marine organisms in a number of taxonomic groups.
Additional Information	This module comprises an in depth development of major aspects of marine biology and focuses on how the maximum use can be made of its resources while minimising negative impacts. Some appraisal of methods of exploitation and conservation and impacts of large scale drivers such as climate change is included.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Essay	Essay	40	0	MLO1, MLO4
Presentation	Presentation with tests	60	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sheelagh Conlan	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings