

Module Information

2022.01, Approved

Summary Information

Module Code	6304NATSCI
Formal Module Title	Coastal and Marine Management
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	22
Off Site	6
Practical	6
Workshop	4

Module Offering(s)

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

Aims and Outcomes

Aims	To understand the main sustainability issues surrounding coastal and marine environments To study the scientific principles necessary to the efficient and sustainable management of coastal and marine environments and their application in a wide range of local, national and international contexts To develop the practical skills and knowledge required by professional environmental regulators and consultants working in coastal and marine management To discuss problem-orientated approaches to coastal and marine geography, integrating physical and human contexts To analyse the main legislative and management frameworks affecting coastal and marine spatial planning and resource use
------	--

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the main contemporary issues and challenges involved in coastal and marine management
MLO2	2	Apply relevant techniques and practical skills to successfully analyse and manage coastal and marine risks
MLO3	3	Identify potential areas of conflict and collaboration between stakeholders, and critically evaluate the role that integrated management may play in resolving issues and promoting the sustainable use of coastal and marine resources
MLO4	4	Demonstrate critical awareness of how legislation and governance dynamics affect coastal and marine spatial planning and resource use

Module Content

Outline Syllabus	Coastal and marine sustainable management, policy framework, managed realignment and social impact, coastal flooding, strategic environmental assessment, community-led sustainability and stakeholder engagement, blue growth and ecosystem services, deep sea resources, fisheries environmental impacts, marine protected areas, ocean governance and geopolitics.
Module Overview	The aim of this module is to understand the main sustainability issues surrounding coastal and marine environments. You will study the scientific principles necessary to the efficient and sustainable management of coastal and marine environments and their application in a wide range of local, national and international contexts. You will also be able to develop the practical skills and knowledge required by professional environmental regulators and consultants working in coastal and marine management.
Additional Information	Coastal areas are environmentally sensitive and economically valuable. The need to develop holistic and sustainable risk management approaches to coastal areas (incl. flooding and erosion) has been recognised. As to the marine environment, less than 3% of the ocean is currently protected. But perspectives of benefits resulting from better protection are high, as illustrated by the EU narrative on the “blue growth” and the WWF calling for “smart investments in ocean health”. The module considers the physical and human geographical contexts and the policy framework of coastal and marine management. It reviews different approaches and investigates solutions for a sustainable management of coastal zones and oceans. Examples of practical applications are explored, supported by fieldwork activities. Due attention is given to potential areas of conflict and collaboration between stakeholders, the need to communicate science-based evidence to decision-makers and the general public, and practical analytical skills valued by employers (such as the production of strategic environmental assessment). Formative feedback is provided through the use of interactive technologies and directed exercises.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping

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
--------------	--------------------------	-----------