Liverpool John Moores University

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Title:	COASTAL AND MARINE MANAGEMENT
Status:	Definitive
Code:	**6115NATSCI** (121159)
Version Start Date:	01-08-2019
Owning School/Faculty:	Natural Sciences & Psychology
Teaching School/Faculty:	Natural Sciences & Psychology

Team	Leader
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Academic Level:	FHEQ6	**Credit Value:**	24	**Total Delivered Hours:**	48
Total Learning Hours:	240	**Private Study:**	192		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Off Site	8
Practical	8
Workshop	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Exam	50	2
Report	Report	Report	50	

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

Learning Outcomes

After completing the module the student should be able to:

1	Explain and debate the main contemporary issues and challenges involved in coastal and marine management
2	Apply different techniques and practical skills to successfully analyse and manage coastal and marine risks
3	Identify potential areas of conflict and collaboration between stakeholders, and the role that integrated management may play in resolving issues and promoting the sustainable use of coastal and marine resources
4	Demonstrate critical awareness of how legislation and governance dynamics affect coastal and marine spatial planning and resource use

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Data Analysis Exam	1	2
Stakeholder Analysis Report	3	4

Outline Syllabus

The module is likely to include the following: Coastal and marine sustainable management, policy framework, managed realignment and social impact, dune systems, blue carbon and salt marshes, coastal cities, strategic environmental assessment, community-led sustainability and stakeholder engagement, blue growth and ecosystem services, deep sea resources, fisheries environmental impacts, marine geoengineering, marine protected areas, ocean governance and geopolitics.

Learning Activities

Teaching on this module is in the form of lectures, practicals, fieldwork, workshops and student-led seminars. Important scientific principles, coastal and marine management approaches and legislation are explored through lectures and workshops hosted by LJMU staff and practitionners. Students work in teams to

conduct a range of tasks (field work and data gathering, data analysis and oral presentation). Learning and assessments are focussed on the development of oral presentation skills and the production of reports integrating the different stakeholders' perspectives approaches on a management project.

Notes

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 legal 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.