



Module Code ACNA5001

Title Coastal, Marine and Wildlife Conservation

Date 05/10/2023

Level 5

Credits 20

Pre-Requisites None

AIM(S)

- To introduce coastal and marine ecosystems, and their conservation. From a scientific consideration of these pressures, students will evaluate strategies for the protection. of the maritime environment and wider conservation of species, ecosystems and natural resources.

LEARNING OUTCOMES

Upon the successful completion of this module, the student should be able to:

- Comprehend the functioning of coastal and marine systems
- Discuss current conservation issues affecting the coastline/inshore waters and evaluate coastal defence strategies
- Contextualise and demonstrate awareness of the science and practicalities of wildlife conservation, sustainability and wildlife exploitation.

INDICATIVE CONTENT

- Introduction to the functioning of the marine environment
- Pollution and impacts – microplastics and hydrocarbons
- Oceanic over-harvesting and future implications of key policies.
- Role of oceans in climate regulation

- Impacts of climate change on marine systems.
- Sustainable management of marine wildlife
- Coastal geomorphology and the impact of anthropogenic forces
- Ecosystem services in coastal environments
- Climate change and coastal adaption
- Coastal priorities and management in a changing demography
- Coastal Zone Management, vulnerability and resilience in a changing world
- Wildlife Handling, Ethics and Conservation
- ID Skills and Population Assessment
- Rewilding, Species and Landscape Approach
- Making Space for Wildlife in an Urban Setting
- Green prescribing and the role of Ecological Engagement in the Community

Study Time Allocation

The study time for the module is divided as follows:

Activity type	Hours	Percentage
Scheduled learning	48	24%
Independent learning	152	76%
Placement learning		
TOTAL	200	100%

ASSESSMENT

Assessment Component 1

(Tick one)

☒ Written exam ☐ Coursework ☐ Practical

Mode of assessment	Volume	Weighting
Examination	2 hours	50%

Assessment Component 2

(Tick one)

☐ Written exam ☒ Coursework ☐ Practical

Mode of assessment	Volume	Weighting
Scientific Report	Based upon a practical fieldtrip, students will produce a scientific report of their findings (2500 words)	50%

Assessment Summary

Activity type	Percentage
Written exam	50%
Coursework	50%
Practical	
TOTAL	100%

INDICATIVE READING LIST

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[Coastal, Marine and Wildlife Conservation - ACNA5001 \(exlibrisgroup.com\)](http://exlibrisgroup.com)

Reading List

*Electronic**

Essential

- Probert, P.K. (2017) Marine Conservation. Cambridge University Press
- Earll, B. (2018) Marine Conservation: People, Ideas and Action (Perspectives in Conservation Biology), Pelagic Publishing.
- Haslett, S.K. (2016) Coastal Systems (3rd Edition). University of Wales Press, Cardiff
- Esteves, L. S. (Ed.) (2014) Managed realignment: A viable long-term coastal management strategy. Dodrecht Springer

Further Reading:

- Pellach, D. (2006) Ecological census techniques: a handbook. Cambridge University Press, UK.
- Davidson-Arnott, R., 2010. An introduction to Coastal Processes and Geomorphology. Cambridge University Press, UK.