

Liverpool John Moores University

Title: SUSTAINABLE ENVIRONMENTAL MANAGEMENT
Status: Definitive
Code: **7124NATSCI** (129004)
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
Laura Edwards	Y

Academic Level: FHEQ7 **Credit Value:** 20 **Total Delivered Hours:** 40
Total Learning Hours: 200 **Private Study:** 160

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Off Site	11
Practical	8
Workshop	11

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay	Informal written science	50	
Presentation	Poster	Poster presentation	50	

Aims

To provide knowledge and understanding of sustainable environmental management techniques with case studies on a variety of topics in terrestrial and ocean settings. To provide background to local, national and international policies/strategies for environmental management.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically appraise the need for sustainable environmental management in a variety of topics.
- 2 Communicate complex material on sustainable environmental management to a non-scientific audience.
- 3 Critically evaluate local, national and/or international policies/strategies in a variety of environmental management topics.
- 4 Evaluate the benefits and limitations of a case study infrastructure development with reference to impacts on the environment and biodiversity.

Learning Outcomes of Assessments

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

Informal written science	1	2	3
Poster presentation	3	4	

Outline Syllabus

The syllabus will likely include topics related to: ecosystem services; agriculture and food sustainability; biodiversity; river and coastal flooding; infrastructure development and environmental impact; urban green space; Blue economy; uplands (moors and mountains); local, national and/or international policies/strategies.

Learning Activities

The module will be taught by a combination of lectures, workshops, computer-based practicals and offsite field visits. Lectures will introduce theory and case studies. Practical sessions will provide visual interpretation and analysis of data and workshops will enhance student synthesis and critical analysis of data and ideas. The offsite session will allow students to engage with real world activities relating to infrastructure development and how environmental management forms a key part of planning for such development.

Notes

The offsite session is joint with another module on the program (Sustainable Energy Management) as the aim of this is to introduce students to an energy related infrastructure project and discuss this in the context of sustainable energy and environmental management.