

## Liverpool John Moores University

Title: ENVIRONMENTAL AND SUSTAINABLE VALUES  
Status: Definitive  
Code: **5600BECC** (125597)  
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment  
Teaching School/Faculty: Coleg Cambria

Team	Leader
Alison Cotgrave	Y

**Academic Level:** FHEQ5  
**Credit Value:** 20  
**Total Delivered Hours:** 54  
**Total Learning Hours:** 200  
**Private Study:** 146

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	20
Tutorial	20
Workshop	14

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Sustainability report	70	
Presentation	AS2	Powerpoint presentation	30	

### Aims

*To develop understanding of the principles of sustainability and environmental practices that underpin and influence the operation of the built environment and construction sectors of the UK.*

*To develop an awareness of the statutory and legislative frameworks, environmental standards appropriate to the built environment and construction industry.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Understand and analyse the workings of Earth's natural systems
- 2 Identify and analyse the environmental impact of the construction industry.
- 3 Examine various methods used for the identification and assessment of sustainability in construction
- 4 Analyse environmental legislation and specific regulatory instruments appropriate to the construction industry

## Learning Outcomes of Assessments

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

Sustainability report	1	2
Powerpoint presentation	3	4

## Outline Syllabus

*Earth's Natural Systems*  
*Organisations and Environmental Sustainability*  
*Sources, Effects and Management of Releases*  
*Concepts of Sustainability and a Sustainable Built Environment*  
*Identification and Assessment of Environmental Impacts*  
*Environmental Management Systems (EMS)*  
*Monitoring and Environmental Audits*  
*Life Cycle Assessment (LCA)*  
*Environmental Impact Assessment (EIA)*  
*Strategic Environmental Assessment (SEA)*  
*Environmental Risk Assessment*  
*Pollution Prevention and Control*  
*Environmental Communication*  
*Environmental Legislation & Regulatory Instruments*

## Learning Activities

Learning for this module will involve active student participation in lectures, group work, and action learning sets in the discussion of subjects within the module.

## Notes

This module develops an understanding of the principles of sustainability and environmental practices that underpin and influence the operation of the built environment and construction sectors of the UK.