

Liverpool John Moores University

Title: SUSTAINABLE CONSTRUCTION
Status: Definitive
Code: **7047BEPGDL** (120493)
Version Start Date: 01-08-2014

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
Damian Fearon	Y

Academic Level: FHEQ7
Credit Value: 20.00
Total Delivered Hours: 12.00
Total Learning Hours: 200
Private Study: 188

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Online	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Assignment	100.0	

Aims

To identify and critically appraise how environmental sustainability can be incorporated into a more modern and innovative construction organisation and industry.

To explore the role of construction in being more ethically and socially responsible.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify and assess the effects of construction on the natural environment.
- 2 Review and appraise the current environmental legal and statutory framework.
- 3 Define and review the magnitude of organisational change required within the construction industry and businesses involved therein
- 4 Describe and apply innovative and practical solutions within the construction industry context.
- 5 Define and use various environmental performance measurement tools.

Learning Outcomes of Assessments

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

Assignment	1	2	3	4	5
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Outline Syllabus

Climate change and energy usage.

Construction waste and Contaminated land.

Environmental Law and Regulation.

Environmental Economics.

Resource Management.

Innovation.

Organisational Change for Sustainability.

Performance Measurement – Sustainability Indicators.

Learning Activities

The module will be delivered via online recorded lectures, webinars and activities. Case studies will be used as part of the activities and online discussions.

References

Course Material	Book
Author	Halliday, S
Publishing Year	2008
Title	Sustainable Construction
Subtitle	
Edition	
Publisher	Butterworth-Heinemann
ISBN	9780750663946

Course Material	Book
Author	Meadows, D
Publishing Year	2005
Title	Limits to Growth
Subtitle	The 30 Year Update

Edition	
Publisher	Earthscan
ISBN	9781844071449

Course Material	Book
Author	Dresner, S
Publishing Year	2008
Title	Principles of Sustainability
Subtitle	
Edition	
Publisher	Earthscan
ISBN	9781844074969

Notes

The module provides a wide ranging study of sustainability issues affecting the construction and property industry.