Liverpool John Moores University

Title:	SUSTAINABLE CONSTRUCTION
Status:	Definitive
Code:	**7103BEPG** (118469)
Version Start Date:	01-08-2011
Owning School/Faculty:	Built Environment
Teaching School/Faculty:	Built Environment

Team	Leader
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Academic Level:	FHEQ7	**Credit Value:**	10.00	**Total Delivered Hours:**	14.00
Total Learning Hours:	100	**Private Study:**	86		

Delivery Options
Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Online	13.000
Workshop	1.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	REPORT	REPORT	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 demonstrate the use of various environmental performance measurement tools.

Learning Outcomes of Assessments

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

REPORT	1	2	3	4	5

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 a series of key-note lectures which are archived in the Wimba classroom, live on line seminars and a portfolio of project-based tasks. The learner will have an induction session where the approach will be introduced; typically four archived "lectures" will be followed by a live seminar. A workshop will be held at the University to act as a summative discussion on the learner's assessment of their organisation.

References

Course Material	Book
Author	Halliday, S
Publishing Year	2008
Title	'Sustainable Construction'
Subtitle	
Edition	
Publisher	Oxford

ISBN	

Course Material	Book
Author	Meadows, D
Publishing Year	2004
Title	'Limits to Growth :The 30 Year Update'
Subtitle	
Edition	
Publisher	Earthscan
ISBN	

Course Material	Book
Author	Dresner, S
Publishing Year	2002
Title	'Principles of Sustainability'
Subtitle	
Edition	
Publisher	Earthscan
ISBN	

Course Material	Book
Author	Sachs, W.
Publishing Year	1999
Title	'Planet Dialectics'
Subtitle	
Edition	
Publisher	Zed Books
ISBN	

Course Material	Book
Author	Bell, S. and Morse, S.
Publishing Year	2008
Title	'Sustainability Indicators'
Subtitle	
Edition	
Publisher	Earthscan
ISBN	

Notes

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