

## Liverpool John Moores University

Title: ENVIRONMENTAL STUDIES  
Status: Definitive  
Code: **5007BEUG** (102753)  
Version Start Date: 01-08-2011

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

Team	Leader
Alex Mason	Y

**Academic Level:** FHEQ5  
**Credit Value:** 12.00  
**Total Delivered Hours:** 38.00  
**Total Learning Hours:** 120  
**Private Study:** 82

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	24.000
Workshop	12.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Open notes	100.0	2.00

### Aims

*To develop a critical analysis of essential concepts of sustainable development and the possibilities of its implementation.*

*To analyse environmental challenges and problems posed by the management and development of the built environment, and suggest and evaluate solutions.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Critically analyse the main concepts of sustainable development.
- 2 Critically analyse the significance of environmental issues involved with the management and development of the built environment.
- 3 Investigate specific cases of policies and practices concerned with energy use and energy assessment of existing buildings, materials and locations.
- 4 Prepare an outline scoping study for an Environmental Impact Assessment.

## Learning Outcomes of Assessments

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

EXAM	1	2	3	4
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## Outline Syllabus

*Outline Syllabus:*

*The goal of sustainability, threats to sustainability, and concepts of sustainable development.*

*Forces shaping the built environment, environmental problems and possible solutions.*

*Outline of environmental policy, regulation and law.*

*Case Studies, to cover the following subject areas:*

- *green buildings and design;*
- *materials selection and use and energy intensity;*
- *waste minimisation and management in construction;*
- *waste management, land contamination and brownfield development*
- *waste re-use & recycling;*
- *management of construction and environmental issues;*
- *environmental impact assessment;*
- *energy use in existing buildings;*
- *energy saving and assessment measures during refurbishment work;*

*Further Case Studies as inspired by current developments within environmental studies, indicated by the following:*

- *tourism and the environment;*
- *transport issues;*
- *renewable energy sources and applications;*
- *demand management in energy, water, or travel;*
- *management development and property valuation;*
- *biodiversity, conservation and development;*
- *the compact city and densification.*

## Learning Activities

Lectures and workshops.

## References

<b>Course Material</b>	Book
<b>Author</b>	Baker, S.
<b>Publishing Year</b>	2005
<b>Title</b>	Sustainable Development
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Routledge
<b>ISBN</b>	0415282101

<b>Course Material</b>	Book
<b>Author</b>	Edwards, B. and Turrent, D.
<b>Publishing Year</b>	2000
<b>Title</b>	Sustainable Housing: principles and practice
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Spon Press
<b>ISBN</b>	0419246207

<b>Course Material</b>	Book
<b>Author</b>	Bell, S. & Morse, S.
<b>Publishing Year</b>	1999
<b>Title</b>	Sustainability Indicators: measuring the immeasurable
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Earthscan
<b>ISBN</b>	085383498X

<b>Course Material</b>	Book
<b>Author</b>	Glasson, J., Therivel, R., and Chadwick, A.
<b>Publishing Year</b>	2005
<b>Title</b>	Introduction to Environmental Impact Assessment
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Taylor & Francis
<b>ISBN</b>	978-0415338370

<b>Course Material</b>	Book
<b>Author</b>	Morris, P. and Therivel, R.
<b>Publishing Year</b>	2003
<b>Title</b>	Methods of Environmental Impact Assessment
<b>Subtitle</b>	
<b>Edition</b>	2nd

<b>Publisher</b>	Routledge
<b>ISBN</b>	978-0415239592

<b>Course Material</b>	Book
<b>Author</b>	Nathanail, C.P.
<b>Publishing Year</b>	2004
<b>Title</b>	Reclamation of Contaminated Land
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	John Wiley and Sons Ltd
<b>ISBN</b>	978-0471985617

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### Notes

The module develops the concepts of sustainable development, analyses environmental challenges and problems posed by the management and development of the built environment, and focuses on a range of examples of sustainable practices and policies.