

Liverpool John Moores University

Title: ENVIRONMENTAL STUDIES
Status: Definitive
Code: **5038BEUG** (107244)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Isle of Man College

Team	Leader
John Gammon	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
------	---	---	---	---

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

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

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

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

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

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

Publisher	Routledge
ISBN	978-0415239592

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

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.