

Liverpool John Moores University

Title: HOUSING DESIGN AND RESIDENTIAL LAYOUTS
Status: Definitive
Code: **4014BEUG** (102736)
Version Start Date: 01-08-2011

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

Team	Leader
Lynne Bell	Y

Academic Level: FHEQ4
Credit Value: 12.00
Total Delivered Hours: 24.00
Total Learning Hours: 120
Private Study: 96

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	12.000
Workshop	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Artefacts	AS1	Assignment on house design	30.0	
Portfolio	AS2	Assignment on housing layout	70.0	

Aims

To develop students abilities in site appraisal, house design and housing layout, together with design and graphic presentation relevant to the planning and development of residential areas.

Learning Outcomes

After completing the module the student should be able to:

- 1 Determine and present simple house designs.
- 2 Undertake site appraisals and determine the design and layout of a housing estate.
- 3 Utilise basic drawing and other presentation skills relevant to urban planning and residential development.

Learning Outcomes of Assessments

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

ARTEFACT	1	3
PORTFOLIO	2	3

Outline Syllabus

Drawing production requirements and presentation skills.

The design of the dwelling; narrow, medium and wide frontage plans.

Housing density; housing standards; Construction and energy conservation requirements.

Planning and highway design criteria.

Contents and interpretation of a housing brief.

Surveying and appraising the site.

Site layout criteria; gardens; spaces between dwellings; orientation and aspect; security and housing.

Landscape design: hard and soft landscaping requirements.

Learning Activities

Lectures; studio design workshops.

References

Course Material	Book
Author	Colquhoun, I. & Fauset, P.G.
Publishing Year	1991
Title	Housing Design in Practice
Subtitle	
Edition	
Publisher	Longman
ISBN	

Course Material	Book
Author	Porter, T. & Greenstreet, R.
Publishing Year	1980

Title	Manual of Graphic Techniques Vols 1-4
Subtitle	
Edition	
Publisher	Astragal
ISBN	

Course Material	Book
Author	Tutt, P. & Adler, D.
Publishing Year	2007
Title	New Metric Handbook: Planning and Design Data
Subtitle	
Edition	
Publisher	Architectural Press
ISBN	

Course Material	Book
Author	Yannas, S.
Publishing Year	1994
Title	Solar Energy and Housing Design Volumes 1 - 2
Subtitle	
Edition	
Publisher	Architectural Association
ISBN	

Course Material	Book
Author	Essex Planning Officers Association
Publishing Year	1997
Title	The Essex Design Guide for Residential and Mixed Use Areas
Subtitle	
Edition	
Publisher	Essex Planning Officers Association
ISBN	

Course Material	Book
Author	BRE
Publishing Year	1993
Title	BRE Housing Design Handbook: Energy and Internal Layout
Subtitle	
Edition	
Publisher	BRE
ISBN	

Course Material	Book
Author	CABE
Publishing Year	2003

Title	The Value of Housing Design and Layout
Subtitle	
Edition	
Publisher	Thomas Telford Publishing
ISBN	

Course Material	Book
Author	Brian Edwards, Mohammad Hakmi, Peter Land, and Mag
Publishing Year	2005
Title	Courtyard Housing
Subtitle	Past, Present and Future
Edition	
Publisher	Taylor and Francis
ISBN	

Course Material	Book
Author	Graham Towers
Publishing Year	0
Title	An Introduction to Urban Housing Design
Subtitle	At Home in the City
Edition	
Publisher	Elsevier
ISBN	

Course Material	Book
Author	Jinming Zhou and Ian Colquhoun
Publishing Year	2005
Title	Urban Housing Forms
Subtitle	
Edition	
Publisher	Elsevier
ISBN	

Course Material	Book
Author	Joan Goody and Stephen A Kliment
Publishing Year	2004
Title	Building Type Basics for Housing
Subtitle	
Edition	
Publisher	Wiley
ISBN	

Notes

The module develops students abilities in site appraisal, house design and housing layout, together with design and graphic presentation relevant to the planning and

development of residential areas.