

Liverpool John Moores University

Title: BUILDING REFURBISHMENT AND DESIGN
Status: Definitive
Code: **7019BEPG** (102540)
Version Start Date: 01-08-2014

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

Team	Leader
Paul Kenny	Y

Academic Level: FHEQ7
Credit Value: 20.00
Total Delivered Hours: 46.00
Total Learning Hours: 200
Private Study: 154

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	40.000
Practical	6.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	survey and appraisal	50.0	
Report	AS2	design and specification	50.0	

Aims

To provide a critical awareness of the principles and practices involved in the design, refurbishment and adaptation of buildings.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise and evaluate the principles and factors affecting the refurbishment, design and use of buildings.
- 2 Analyse and evaluate existing buildings through surveys and inspections and appraise alternative uses for specific buildings.
- 3 Explain and illustrate by a range of media, the procedures and processes involved in the refurbishment and adaptation of buildings and produce a final design scheme.

Learning Outcomes of Assessments

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

REPORT - SURVEY & APPRAISAL	1	2
REPORT - DESIGN & SPECIF.	3	

Outline Syllabus

Design principles, design of commercial buildings, architectural styles and development, design stages, feasibility studies, design briefs, final designs. Building surveys, measured surveys, photographic surveys, access audits, energy audits, fire safety audits. Building evaluation, appraisal of options, building specifications, schedules of work, building regulations compliance. Presentation media, presentation boards, powerpoint, Archicad and Autocad, 3D views and layouts, design plans, reports, specifications, project presentations. Building conservation issues, conservation principles, repairs to listed buildings, listed building legislation, historic building forms. Building refurbishment work, lateral and vertical extensions, structural alterations, upgrading existing elements, health and safety issues, sustainable refurbishment and adaptation.

Learning Activities

Lectures, project work, site visits, surveys.

References

Course Material	Book
Author	Douglas, J.
Publishing Year	2006
Title	Building Adaptation
Subtitle	
Edition	2nd Edition
Publisher	Butterworth
ISBN	0750666676

Course Material	Book
------------------------	------

Author	Noy, E.
Publishing Year	2005
Title	Building Surveys and Reports
Subtitle	
Edition	3rd Edition
Publisher	Blackwell
ISBN	1405121475

Course Material	Book
Author	Tunstall, G.
Publishing Year	2006
Title	Managing the Building Design Process
Subtitle	
Edition	2nd Edition
Publisher	Butterworth
ISBN	0750667915

Course Material	Book
Author	Littlefield, D. (editor)
Publishing Year	2008
Title	Metric Handbook Planning and Design Data
Subtitle	
Edition	3rd Edition
Publisher	Architectural Press
ISBN	9780750652810

Notes

The module provides a critical awareness of the principles and practices involved in the design, refurbishment and adaptation of buildings. It requires the use and application of the Building Regulations Approved Documents and a proficiency in autocad/archicad.