

Liverpool John Moores University

Title: BUILDING REFURBISHMENT AND DESIGN
Status: Definitive
Code: **5213BEUG** (122808)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Civil Engineering and Built Environment

Team	Leader
Spencer Kelly	Y
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Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 60
Total Learning Hours: 200 **Private Study:** 140

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Tutorial	10
Workshop	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Graphical report	60	
Presentation	AS2	Verbal & pin-up presentation	40	

Aims

To demonstrate awareness of a range of factors affecting a building project and to produce detailed design documentation.

To further develop fundamental skills in the preparation and production of architectural drawings for a building refurbishment project.

Learning Outcomes

After completing the module the student should be able to:

- 1 Develop an outline building refurbishment design through to the production of a coordinated set of architectural drawings including architectural details.
- 2 Apply current regulatory requirements to a building refurbishment project.
- 3 Present a refurbishment design to a panel of critics.

Learning Outcomes of Assessments

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

GRAPHICAL REPORT	1	2
VERBAL PRESENTATION	1	3

Outline Syllabus

Detailed design development

Methods and techniques for preparing detailed design documentation.

Consideration of technical constraints, costs, health and safety, building regulations including fire safety

Understanding of performance requirements and selection of sustainable materials

Formulation of architectural details from first principles

Integration and appreciation of structural system

Integration and appreciation of services

Preparation and coordination of design documentation

Production of working drawings to an appropriate professional standard

Correct annotation of details and interrelationships with other drawings

General arrangement drawings, schedules, component and detail drawings

Learning Activities

Lectures

Workshop sessions in Design Studio

Workshop sessions in an IT suite

Tutorials to review progress

Notes

This module enables students to further develop fundamental skills in the preparation and production of architectural drawings for a building project, with a

focus on building refurbishment.