

Liverpool John Moores University

Title: DETAILED DESIGN AND PROJECT PRESENTATION
Status: Definitive
Code: **6213BEUG** (122811)
Version Start Date: 01-08-2021

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

Team	Leader
Michael Farragher	Y
Spencer Kelly	

Academic Level: FHEQ6
Credit Value: 30
Total Delivered Hours: 96
Total Learning Hours: 300
Private Study: 204

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	24
Tutorial	24
Workshop	48

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Portfolio of architectural drawings	40	
Report	AS2	Technical report & specification	40	
Presentation	AS3	End of year presentation & critical review	20	

Aims

To apply and integrate core architectural technology skills to translate outline design scheme into a detailed building design.

To present an end of year project using effective verbal, graphical and written communication skills to a professional standard

Learning Outcomes

After completing the module the student should be able to:

- 1 Develop an integrated set of detailed technical drawings including 3-D detailed components.
- 2 Critically appraise alternative material and component choices with due regard to aesthetic, technical, environmental and financial issues.
- 3 Create a written technical specification to a professional standard.
- 4 Demonstrate high level communication skills in the presentation of their project at the end of year.

Learning Outcomes of Assessments

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

Architectural drawings	1	
Technical Report	2	3
Critical review	4	

Outline Syllabus

It is intended that the student develops the individual architectural design prepared in the Advanced Architectural Design module to a detailed design stage to be presented formally at the end of the academic year for assessment.

Although the project is a continuation of the design from semester one the focus shifts to the technical, detailed design aspects including:

- *the process of architectural detailing and annotation*
- *compliance with CDM regulations , risk assessment and hazard identification*
- *compliance with building regulations and building performance*
- *product research, selection and evaluation including 'green' specification*
- *specification writing and use of the National Building Specification (NBS)*
- *component scheduling*
- *maintenance information*

Students will also receive further tuition on Revit to generate 3-D models and production of drawings with an emphasis on detailed components.

Learning Activities

Lectures / tutorials

Workshop sessions in an IT room & design studio

Notes

This module requires the student to continue work on the complex project started in semester one, with an emphasis on the detailed design and specification. The module ends with a crit-style oral presentation.