Liverpool John Moores University

Title:	DESIGN AND SPECIFICATION
Status:	Definitive
Code:	**4206BEUG** (122313)
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

Academic Level:	FHEQ4	**Credit Value:**	20	**Total Delivered Hours:**	56
Total Learning Hours:	200	**Private Study:**	144		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Lecture	20
Off Site	6
Workshop	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	REPORT	70	
Presentation	AS2	PRESENTATION	30	

Aims

To introduce fundamental concepts concerning the design of dwellings in respect of building form, function, historical precedent, building conservation, specification of materials and impact on the environment.

Learning Outcomes

After completing the module the student should be able to:

1 Discuss the significance of historical, social and technological influences on domestic architecture.
2 Discuss the principles of successful design and evaluate their impact on the planning and design of buildings including the purpose of specifications to achieve quality in design.
3 Discuss the environmental impact on the planning, conservation, design and specification of a domestic dwelling building typology

Learning Outcomes of Assessments

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

REPORT	1	2	3
PRESENTATION	1	2	3

Outline Syllabus

Roles and responsibilities of the main parties in the construction industry; the RIBA Plan of Work Stages.
Introduction to history of domestic architecture in the UK; architectural historical precedent; influence of social and technological changes; relationship of buildings to their context.
Design principles: the design brief, client requirements, user factors. site constraints; design ergonomics; inclusive environments; project aesthetics; influence of shape, size and proportion; position; location; services and structure integration.
Building conservation principles and legal controls.
Environmental impact; Sustainable approach to design.
Material specification, design layout and technology; renewables
Introduction to structural strategy with emphasis on residential buildings
Purpose and importance of specifications, relationship to drawings; performance and prescriptive types, quality control of materials and components on-site and off-site, standards, codes of practice, product selection

Learning Activities

Lectures are used in order to identify and explain key concepts and theories and provide detailed information on particular subject areas within the module. They help to stimulate the student's interest in the subject area. Lectures may also include guest industry speakers to add industry context to the material.

Workshops are used to engage students in more intensive discussion and activity on particular subject areas within the module. This helps shape the student's own understanding and place the lecture material in context.

A site visit will be arranged subject to approval.

Notes

This module introduces fundamental concepts concerning the design of dwellings in respect of building form, function, historical precedent and impact on the environment.