

Summary Information

Module Code	4206BEUG
Formal Module Title	Design and Specification
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	20
Off Site	6
Workshop	30

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

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.
------	--

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Discuss the significance of historical, social and technological influences on domestic architecture.
MLO2	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.
MLO3	3	Discuss the environmental impact on the planning, conservation, design and specification of a domestic dwelling building typology

Module Content

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
Module Overview	<p>This module introduces you to the fundamental concepts concerning the design of dwellings in respect of building form, function, historical precedent and impact on the environment. You will:</p> <ul style="list-style-type: none"> • Explore the significance of historical, social and technological influences on domestic architecture • Explore 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 • Explore the environmental impact on the planning, conservation, design and specification of a domestic dwelling building typology.
Additional Information	This module introduces fundamental concepts concerning the design of dwellings in respect of building form, function, historical precedent and impact on the environment.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	70	0	MLO1, MLO2, MLO3
Centralised Exam	PRESENTATION	30	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Michael Farragher	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------