

### Summary Information

Module Code	5215BEUG
Formal Module Title	Sustainable Architectural Technology
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

### Learning Methods

Learning Method Type	Hours
Lecture	25
Tutorial	10
Workshop	15

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	To provide knowledge, awareness and application of building regulations, environmental standards and codes of practice appropriate to the discipline of architectural technology To develop understanding of sustainable design, materials and emerging technology in contrasting environments To evaluate the process of specifying materials and components using various sources of information and evaluating their implications with regard to performance, quality and sustainability. To provide the student with appropriate skills to produce a specification to industry standard practice.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Critically analyse statutory regulations and environmental codes of practice, and evaluate how they apply to the design and detailing of buildings, with particular reference to sustainable buildings
MLO2	2	Evaluate the impact of climate change on building design and technology in contrasting environments
MLO3	3	Specify construction works using industry standards and discuss implications for building quality, sustainability and buildability.

### Module Content

Outline Syllabus	Statutory Building Regulations, practice and procedures; design & fire safety Environmental standards and codes of practice Inclusive design Climate change and the built environment; an international perspective on sustainable design and technology Emerging sustainable technologies Researching materials and components, with particular reference to sustainable and low carbon technologies Introduction to the National Building Specification for specification of construction works Common Building Defects, remedial measures, preventative measures
Module Overview	The aim of this module is to provide knowledge, awareness and application of building regulations, environmental standards and codes of practice appropriate to the discipline of architectural technology. This module provides you with knowledge, awareness and application of statutory controls, environmental design factors and develops understanding of specifying sustainable technologies.
Additional Information	This module provides students' with knowledge, awareness and application of statutory controls, environmental design factors and develops understanding of specifying sustainable technologies.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Building Control & Analysis	40	0	MLO1
Report	Design & Specification	60	0	MLO2, MLO3

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
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Michael Farragher	Yes	N/A
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**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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