

Technology and Practice 3

Module Information

2022.01, Approved

Summary Information

Module Code	6131ARSRI
Formal Module Title	Technology and Practice 3
Owning School	Liverpool School of Art & Design
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Liverpool School of Art & Design

Learning Methods

Learning Method Type	Hours
Lecture	14
Seminar	20
Workshop	26

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
APR-MTP	MTP	April	12 Weeks

Aims and Outcomes

Aims	The aim of this module is to build on the understanding and knowledge of technical realisation of buildings explored in level 5. This is achieved through creation of a coherent integrated environmental strategy for the CDP building including appropriate structural resolution and considered thinking in materiality and construction. The module continues from level 5 in further informing students in matters of environmental design, structural design, materials choice and properties, the construction of buildings on site, and to introduce essential knowledge and discussion concerning the practice of Architecture. Emphasis will be placed on demonstrating in-depth skills in both thematic-led design and proven technical competence that are graduate standard and which graduates will confront within offices in their fourth year.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Investigate and apply appropriate methods for creating optimum indoor environments.
MLO2	2	Propose, critically analyse and cogently evaluate alternative environmental, structural, constructional and material strategies.
MLO3	3	Synthesise appropriate building technologies into design projects, with judgement of their integration and following sustainable design principles.
MLO4	4	Apply understanding of building user’s requirements and compliance with legislation in the context of building designs.
MLO5	5	Relate the roles of professional practice procedures, legislation and policy in the context of the procurement of buildings.

Module Content

Outline Syllabus	The module incorporates lecture series on environmental design and technology, complex structural systems, Computer Aided Design and Professional Studies. Specialist Technology Workshops are held throughout the module in environmental intent, energy and structural strategies and construction. The lectures and workshops have an emphasis on integration of these technologies into design work and in support of design. During this year students are directed to focus on a developing a range of IT and CAD skills closely related to the architectural profession, with reference to established and emergent technologies used in industry.
Module Overview	
Additional Information	Emphasis will be placed on students creating a coherent integrated environmental strategy for their CDP building, appropriate structural resolution, and considered thinking in materiality and construction.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Artefacts	Artefacts	80	0	MLO1, MLO2, MLO3, MLO4
Reflection	Test	20	0	MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ian Wroot	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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