

## Technology and Practice 3

### Module Information

2022.01, Approved

#### Summary Information

Module Code	6131AR
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
JAN-MTP	MTP	January	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	This module is focused on creating a coherent integrated environmental strategy for their CDP building, with appropriate structural resolution and considered thinking in materiality and construction. This work is assessed through drawings and diagrams which are presented alongside the CDP design.
Additional Information	This module is focused on students creating a coherent integrated environmental strategy for their CDP building, with appropriate structural resolution and considered thinking in materiality and construction. This work is assessed through drawings and diagrams which are presented alongside the CDP design work of Module 6123AR. Additionally, ahead of graduating, Professional Practice in architecture is discussed in a lecture series and assessed by a report submission.

**Assessments**

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping

Centralised Exam	Artefacts	80	0	MLO1, MLO2, MLO3, MLO4
Test	Test	20	0	MLO5

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Simon Tucker	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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