

## Liverpool John Moores University

Title: Technology & Practice 3  
Status: Definitive  
Code: **6131AR** (123463)  
Version Start Date: 01-08-2021

Owning School/Faculty: Liverpool School of Art & Design  
Teaching School/Faculty: Liverpool School of Art & Design

Team	Leader
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**Academic Level:** FHEQ6      **Credit Value:** 20      **Total Delivered Hours:** 60  
**Total Learning Hours:** 200      **Private Study:** 140

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	14
Seminar	20
Workshop	26

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Artefacts	AS1	Thesis Project Technical Resolution (drawings).	80	
Test	AS2	Practice Test.	20	

### 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.*

## **Learning Outcomes**

After completing the module the student should be able to:

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

## **Learning Outcomes of Assessments**

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

Artefacts	1	2	3	4
Test	5			

## **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.*

## **Learning Activities**

Lectures are delivered throughout the semester. Three full day seminar/workshops with predetermined objectives and assessed outcomes relating directly to the concurrent design module. There are regular CAD workshops throughout the semester. The assessment tasks of this module relate directly to design work undertaken in module 6123AR.

## **Notes**

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.