

Liverpool John Moores University

Title: Technology and Practice 3
Status: Definitive
Code: **6046AR** (117604)
Version Start Date: 01-08-2019

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

| Team | Leader |
|--------------|--------|
| Simon Tucker | Y |

Academic Level: FHEQ6
Credit Value: 24
Total Delivered Hours: 115
Total Learning Hours: 240
Private Study: 125

Delivery Options

Course typically offered: Standard Year Long

| Component | Contact Hours |
|-----------|---------------|
| Lecture | 32 |
| Workshop | 83 |

Grading Basis: 40 %

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|-----------|-------------------|---|---------------|---------------|
| Report | AS1 | Technology Strategies relating to concurrent Design Project | 25 | |
| Artefacts | AS2 | Drawings of Technology Resolution relating to concurrent Design Project | 15 | |
| Test | AS3 | Practice Test | 10 | |
| Artefacts | AS4 | Drawings and models that articulate the technological resolution of the CDP | 50 | |

Aims

To methodically inform students in matters of environmental design, structural

design, materials choice and properties and the construction of buildings on site and to introduce essential knowledge and discussion concerning the practice of Architecture.

In second semester, the module facilitates students in the materials choice, detailed technical strategies and principles of buildability of a fully integrated design for a medium-sized building. The exercise touches on key matters which graduates will confront within offices in their fourth year.

It also introduces students to the framework of professional procedures and legal responsibilities within which architects work in England and Wales

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.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate a holistic appreciation of the roles of environment, structure, technology and practice in the process of architectural design.
- 2 Demonstrate a reasonable level of understanding of professional practice procedures and legal matters involved in the procurement of buildings appropriate for an RIBA pt 1 level graduate.
- 3 Assimilate technological studies into the design process.
- 4 To competently demonstrate the ability to produce presentational/representational material of points 3 employing verbal, written and drawing techniques.

Learning Outcomes of Assessments

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

| | | |
|------------|---|---|
| Report | 1 | |
| Artefact 1 | 1 | |
| Test | 2 | |
| Artefact 2 | 3 | 4 |

Outline Syllabus

This course continues from Level 5 and deals with the technical realisation of buildings through analysis, design, detailing and site construction and supervision. There is again some accent placed on the issue of Practice.

The module incorporates lecture series on environmental issues, complex structural systems and Professional Studies.

Emphasis will be placed on demonstrating in-depth skills in both thematic-led design and proven technical competence that are graduate standard.

In the second half of the year relevant lectures will be delivered during the early weeks in order that theory can be integrated into project, and the evolution of the projects will be supported by specialist Technology Workshops throughout the year.

CAD Workshops build on the skills introduced at Levels 4 & 5 and students are supported in the development and production of imagery closely connected with their design studies. 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 throughout the year. Three half-day seminar / workshops in the first half of the year and 3 full day seminar/workshops in the second half of the year with predetermined objectives and assessed outcomes relating directly to the concurrent design module. There are regular CAD workshops throughout the year.

Notes

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.