# **Liverpool** John Moores University

Title: TECHNOLOGY AND PRACTICE 4

Status: Definitive

Code: **5014ID** (109958)

Version Start Date: 01-08-2011

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

| Team       | Leader |
|------------|--------|
| Gary Brown | Y      |

Academic Credit Total

Level: FHEQ5 Value: 12.00 Delivered 28.00

92

**Hours:** 

Total Private Learning 120 Study:

**Hours:** 

**Delivery Options** 

Course typically offered: Semester 2

| Component | Contact Hours |
|-----------|---------------|
| Lecture   | 22.000        |
| Online    | 3.000         |
| Workshop  | 3.000         |

**Grading Basis:** 40 %

#### **Assessment Details**

| Category | Short<br>Description | Description                   | Weighting (%) | Exam<br>Duration |
|----------|----------------------|-------------------------------|---------------|------------------|
| Essay    | AS1                  | Coursework assessed by review | 100.0         |                  |

#### **Aims**

To develop an understanding of the systems of technology and practice for the realisation of design strategies in the real world. To enhance students learning through the process of keeping a personal development portfolio.

### **Learning Outcomes**

After completing the module the student should be able to:

- Demonstrate a detailed knowledge of various issues involved in the fitting out and 'finishing' of interiors.
- 2 Demonstrate an understanding of the energy control issues involved in complex large interiors.
- Demonstrate a basic understanding of acoustic, transmission attenuation and reverberation in relationship to materials and space.
- 4 Demonstrate a basic understanding of professional practice procedures and legal matters involved in the procurement of building and fit out works.

### **Learning Outcomes of Assessments**

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

ESSAY 1 2 3 4

## **Outline Syllabus**

1 hr lecture on heating, 2 hr lectures on lighting, 4 hrs lectures on acoustics, 7 1 hr practice lectures, 4 hrs construction lectures, 4 hr lectures on finishes & fittings, 3-hour workshop on acoustics, Feedback 3 hrs 1 hr group 2 hrs individual.

Students will learn how to organise & structure a progress file, document and archive coursework, and identify key action points for future development.

Assessment by review and booklet submission. 50 % carry through a part of their design scheme Simulation Media & Film in detail exhibiting characteristic integration of a philosophical theme related to the material and constructional spatial language. Exhibit knowledge of the environmental factors such as light heat and sound required of the interior and how these may be achieved with a changing external environment. Professional practice coursework submission. Note studentship as defined in the student handbook is an integral part of assessment.

# **Learning Activities**

Lecture / seminars, workshops, coursework Continuing development of a personal development portfolio which aims to help students become more, independent, confident and self directed learners. Related to Interior design outcomes . A1, A2, A3, A4, A6, B1, B2, C3, C4, C5, D1, D2, D4. Linked to Simulation Media and Film-

#### References

| Course Material | Book   |
|-----------------|--|
| Author          | ADLER, D   |
| Publishing Year | 1999   |
| Title           | Metric handbook: planning and design data / Oxford |
| Subtitle        |  |

| Edition   |                     |
|-----------|---------------------|
| Publisher | Architectural Press |
| ISBN      |                     |

| Course Material | Book                        |
|-----------------|-----------------------------|
| Author          | CUTTLE, C.                  |
| Publishing Year | 2003                        |
| Title           | Lighting by design / Oxford |
| Subtitle        |                             |
| Edition         |                             |
| Publisher       | Architectural Press         |
| ISBN            |                             |

| Course Material | Book                          |
|-----------------|-------------------------------|
| Author          | PARKIN, P.H.                  |
| Publishing Year | 1979                          |
| Title           | Acoustics noise and buildings |
| Subtitle        |                               |
| Edition         |                               |
| Publisher       | Faber                         |
| ISBN            |                               |

| Course Material | Book  |
|-----------------|---|
| Author          | SZOKOLAY, S.V.                                    |
| Publishing Year | 1980  |
| Title           | Environmental science handbook for architects and |
|                 | builders / Construction                           |
| Subtitle        |   |
| Edition         |   |
| Publisher       |   |
| ISBN            |   |

### **Notes**

The lecture series links into and supports the module Simulation Media & Film. The detailed design stage of the module is utilised as a platform to explore and assess the design in terms of environmental energies inclusive of acoustics. The design report and details should be supported by diagram & notes showing the building performance in environmental terms with special reference to acoustics.