

<b>Furniture and Fittings</b> Semester: 2 (Spring) Stage: 2 Number of Credits: 4 semester credits/6 quarter units	
<b>Prerequisites</b>	Design Technology III
<b>Module credits</b>	2
<b>Assessment weighting</b>	100% continuous assessment
<b>Module duration</b>	Semester IV, 3 hours/week
<b>Element</b>	Design, Technology
<b>Supports stage learning outcomes</b>	<ul style="list-style-type: none"> <li>• Integrate conceptual, contextual, ethical and material considerations in the <b>design</b> and realisation of space and form.</li> <li>• Communicate concepts, ideas and proposals to a high degree of visual and technical expertise in terms of <b>drawing</b> - freehand sketching, architectural drawings and computer-generated imagery.</li> <li>• Demonstrate and apply knowledge of <b>structural, technological and constructional principles</b>, the properties and meanings of materials and their influence on design decisions.</li> <li>• To <b>organise, manage and operate</b> interior architectural projects within the regulatory frameworks and systems related to design, architecture and construction.</li> <li>• Research and critically appraise the built environment in terms of its <b>aesthetic, cultural, social, historical and political context</b>.</li> </ul>

<b>Module aims</b>	<p>The primary aims of the module are to:</p> <ul style="list-style-type: none"> <li>• Reinforce the need for sourcing and updating of the professional information, in order to make project work realistic</li> <li>• Assist students to communicate effectively in spatial and technical terms</li> </ul> <p>The secondary aim is to:</p> <ul style="list-style-type: none"> <li>• Support the course and stage learning outcomes specifically with reference to the Design (Project Work), Technology and</li> </ul>
--------------------	--

## Module learning outcomes

On completion of this subject students will be able to:

- Identify and source appropriate furniture systems for commercial applications
- Identify and source appropriate lighting schemes for domestic and commercial applications
- Design and source kitchen and bathroom schemes
- Identify and source partitioning systems for commercial applications
- Design and source appropriate window treatments for domestic and commercial applications

## Syllabus:

### **Office environment:**

System of units, cubicles and modular partitions, concept of work station, storage and retrieval: file cabinets, chests and shelving systems, desks, typist chairs, chairs, armchairs, reception and boardroom furniture.

Changes in the office environment due to IT: work station, info. processing, monitoring and security, cleaning, cafeterias and signage

Accessory fittings and services

### **Kitchen and Bathroom Design**

Kitchen appliances: fitted, free-standing; worktops; flooring; finishes, fittings and stylistic variations:

Bathroom: sanitary ware; showers; plumbing considerations; finishes and fittings and stylistic variations;

Services : extraction: ventilation; integrated lighting; regulations for lighting;

### **Window Treatment:**

Blinds: vertical, venetian, roman, festoon, austrian and roller. Shutters: electronic, metal wooden; Curtains : headings; pelmets; passementerie; linings tracks, poles and fixings, fabric suitability and fire rating

### **Lighting systems**

Downlights, uplights; wall and ceiling lights; spotlights; table lamps; chandeliers; specials; light sculptures, task lighting; desk lamps; display lighting, linear, track and projection systems.

Lighting standards, lux values, glare and reflection

### **Acoustics**

Materials, fabrics, paneling, and special arrangements

Acoustic standards and regulations: sound, noise, and decibel levels

### **Designing for Special Needs**

Human factors: social and psychological considerations in public and private buildings; hospitals; nursing homes and the workplace, accessibility

## Teaching/learning methodology:

The module will be taught by means of lectures, discussion, seminars and site visits. The

assignments will constitute an integral part of the teaching/learning methodology. Students will be expected to maintain very regular contact with their assignment supervisor. The responsibility to arrange one-to-one tutorials rests with the student. Students also will be encouraged to attend current trade exhibitions and industry seminars to further their understanding of the industry.

**Methods of assessment:**

This module is assessed by continuous assessment. The formative assessments will take the form of class tests, assignments and research presentations that involve visual presentation material. The summative assignment is conducted by means of portfolio/process-portfolio appraisal.

**Recommended reading**

The Design Encyclopaedia	Mel Byars	Lawrence King	1994
The Kitchen Book	Terence Conran	Conran Octopus	1993
Lighting Design	Carl Gardner	The Design Council	1993
Architectural Acoustics	Yoichi Ando	Springer-Verlag	1998
Audio Explained	M. Talbot Smith	Focal Press	1997
Kevin McCloud's Lighting Book	Kevin McCloud	Random House	1995
The Curtain Book	Caroline Clifton-Mogg	Mitchell Beasley	1988

**Supplementary Reading**

**Periodicals**

Elle Decoration

European Institute for Design and Disability

Irish Building

Plan

Wallpaper

World of Interiors

**Databases**

Great Buildings Database

Design and Applied Arts

Infotrac

Lexis Nexis