

MODULE: LIGHTING DESIGN

Griffith College Dublin – Design in Interior Architecture

Year-long module (Fall & Spring)

This module is open to YEAR ABROAD STUDENTS ONLY and only to majors in this field.

Module Aims

This module aims to enable the student to develop skill in the design of interior lighting.

Indicative Module Content

- **Building Services**
Environmental comfort and the need for building services
Types of services: Mechanical and electrical services – sources of energy and services systems
Power supply; Communication and data systems; Lighting; Water supply and drainage; Sanitary drainage and sewage: foul, waste; Heating and cooling; Ventilation; Safety, security and Emergency systems
Building Services and current legislation
- **Space + Lighting**
Space planning, use of Lighting and Graphics
- **What is Light?**
Lighting standards, lux values, 4 different types of lighting (ambient, task, decorative & accent), the effects of light on various materials
- **The History of modern lighting**
Victorian, The Arts & Crafts movement, Art Nouveau, Art deco, Modernist, 50's & 60's, present day
- **Lighting Systems – for residential and/or commercial applications**
Down-lights, up-lights, wall and ceiling lights, spotlights, table lamps, chandeliers, specials, task lighting, desk lamps, display lighting, linear, track and projection
- **Light and the design process**
Concept statement
- **Colour theory**
Colour key
- **Ergonomic lighting**

Glare and reflection, personal control systems

- **Control and distribution**

Lighting areas

Lighting instruments

Lighting symbols
