



# Principles of Furniture & Joinery Design

## Semester 2

# Principles of Furniture & Joinery Design

- 10 ECT module
- Semester 1 = 50% 5 ECT
- 5 ECT aprox 100 learning hours
- Semester 2
- Joinery 25%
- Furniture 25%
- 50 learning hours
- Class contact 24hrs
- Independent Learning 26hrs

# Module Aim

- To provide the student with the tools and knowledge to design and create items to the description in a given brief.
- To supply students with the theoretical information to manufacture furniture and joinery.
- To familiarise students with the process of laminating, bending and shaping timber as required for furniture and joinery construction .

# Module Aim (Cont.)

- To ensure students recognise details of historical furniture and joinery and to understand the development of period furniture and joinery styles.

# Learning Outcomes:

- Appreciate the various stages of the design process.
- Apply techniques, processes and methodologies for creating designs.
- Recognise and sketch the features and characteristics of historical furniture and joinery.
- Demonstrate an understanding of the theoretical elements and their application as required in the construction of furniture and joinery

# Learning Outcomes: (Cont)

- Display knowledge of the lamination, bending and shaping of component parts.
- Construct veneered patterns.
- Produce a materials list and costing for same.
- Given a brief, produce a detailed report from designing through to the completion of the end product including a 10 min oral presentation

# Module Content:

- Design Process; various methods used for design process
- Creation; using creative thinking to create 3D designs, showcase them by freehand or CAD drawings
- Understanding the limits of different materials and knowing the jointing used in various situations.  
Application of problem solving techniques, methods and processes.
- Furniture / Joinery manufacturing theory.
- Timber laminations, bending and shaping.

# Module Content: (Cont.)

- Pattern veneering.
- Furniture and joinery sizes.
- History of furniture / Joinery
- Communication .



# Course-work: Assignment

- Course-work: Assignment
- Design an item of furniture or joinery given a brief/specification demonstrating an understanding of the module content.
- Assignments will be issued to cover the areas outlined in the Module Content.
- Complete a detailed project from a given brief
- Evidence of a depth of understanding of areas of theory relevant to the development of the project
- Oral Presentation 10 minute