

COURSE CONTENT

Course Code	DR2015
Course Title	Furniture Design II
Pre-requisites	DR2013
No of AUs	3
Contact Hours	39 hours studio contact

Course Aims

Building on the theory and practice that you studied in DR2013 Furniture Design 1, this studio course will introduce you to more advanced methods of combining natural and synthetic materials, which you will then apply to the processes of designing and producing furniture for mass-production, while considering various key design factors. This practice enables you to further develop skillsets such as veneering, laminating, moulding and bending timber and plywood, which can then be deployed in future furniture design projects.

Intended Learning Outcomes (ILO)

By the end of the course, you should be able to:

1. Identify the relationship between material combination, mass-production, modern lifestyle and environmental awareness.
2. Develop various techniques of replicating identical components to minimise production costs, material wastage and to maximise time efficiency.
3. Apply advanced hands-on skills and mechanical usage to balance beauty, utility and considerations of mass production in your practice.
4. Present advanced levels of conceptual development in the embodiment of demountable furniture.
5. Constructively critique concepts and techniques employed by peers in their furniture design practice.

Course Content

Material combination

An introduction into the property of natural and synthetic materials. Through lectures and experimentation you will be able to select and combine materials according to anthropometrical, structural, cultural, manufactural, transportable and aesthetic considerations.

Material replication

An introduction to replicating identical components. You will learn how to use the combination of CAD/CAM, power tools, heavy machines and jigs to minimise production costs, material wastage and maximising time efficiency, key factors in mass-production.

Advanced use of jigs and modern Joinery

You will develop your skills in both the customisation and usage of jigs. You will also build on the basic skills of joinery learned in DR2013, in order to further explore methods of assembling and disassembling vertical and horizontal planes with the use of industrial fittings, with a focus on designing flat-packed furniture.

Class assignments

Three major assignments and the usage of demountable joints for structural, economical and aesthetic purposes. These will be developed through lectures, field trip, tutorials, class exercises and peer/instructor feedback sessions.