



University/Academy: Arab Academy for Science, Technology & Maritime Transport
Faculty/Institute: College of Engineering & Technology
Program: B.Sc. Architectural Engineering and Environmental Design

Form no. (12): Course Specification

1- Course Data

Course Code: AR 328	Course Title: Furniture Design	Academic Year/Level: 3rd year / 6th semester
Specialization: Architecture	No. of Instructional Units Credit 2 Lecture 1 Tutorial 3	Prerequisite None

2- Course Aim

This course is an Introduction to the concepts, function, materials and techniques of furniture. Review of historical background and design theory development two and three-dimensional forms of a basic furniture concepts or design.

The course aims to:

- Provide the student with the main knowledge of concepts, function, materials and techniques of furniture.

3- Intended Learning Outcomes

a- Knowledge and Understanding	Through knowledge and understanding, students will be able to: <ul style="list-style-type: none">• Demonstrate understanding of furniture design and technique of construction.• Explore various furniture details and the use of techniques of construction.
b- Intellectual Skills	Through intellectual skills, students will be able to: <ul style="list-style-type: none">• Develop drawing skills in 2D, the presentation techniques used to convey design ideas.
c- Professional Skills	Through professional and practical skills, students will be able to: <ul style="list-style-type: none">• Develop and fabricate a product with a focus on efficient production strategies and appropriate integration of assembly processes.
d- General Skills	Through general and transferable skills, students will be able to: <ul style="list-style-type: none">• Explore various furniture styles and functions through simplicity and originality of design.• Carry out self-learning sessions, as well as manage time and meet deadlines on an individual level.• Appreciate and acquire lifelong learning.

4- Course Content

- Week No.1** General notes about wood, cutting and assembling.
- Week No.2** Basic wood working operation: sawing, surfacing, shaping, joinery, and gluing wood
- Week No.3** Basic joints: Butt joints, Middle rail joints.
- Week No.4** Basic joints:
Rail-to-frame joints, panel-to-frame joints
- Week No.5** Basic joints:
Frame joints, middle frame joints, back panel joints.
- Week No.6** Plywood and cuties:
Plywood hollow frame, veneer
- Week No.7** Continuation of the previous lecture and evaluation.
- Week No.8** Doors, shelves, drawers, sliding doors, adjustable shelves and drawer slides.
- Week No.9** Chairs:
Frames, armless chairs.
- Week No.10** Upholstery work, type of frames, foam rubber application
- Week No.11** Upholstery sofa and upholstery details.
- Week No.12** Continuation of the previous lecture and evaluation.
- Week No.13** Coil spring, fabric application.
- Week No.14** Projects jury
- Week No.15** Revision.

5- Teaching and Learning Methods

The course comprises a combination of:
Lectures, information collection, student independent study and tutorials that provide support and advice to the students on their exercise work.

6-Teaching and Learning Methods for Students with Special Needs

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

7- Student Assessment

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Exam.	All skills		7	30%
2	Exam.	All skills		12	20%
3	Project	All skills	1	14	10%
4	Final exam	All skills		15	40%
Total					100%

8- List of References:

a- Course Notes	N/A
b- Required Books (Textbooks)	• Graeme Brooker, Sally Stone, <i>Interior Architecture 02, context + environment</i> , AVA publishing SA, Switzerland.
c- Recommended Books	N/A
d- Periodicals, Web Sites, etc.	N/A