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 553**	Course Title: **Furniture Details**			Academic Year/Level: **5th** year / **9th** semester
Specialization: **Interior Design**	No. of Instructional Units			Prerequisite
	Credit **3**	Lecture **2**	Tutorial **4**	**AR456**

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:** • 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:** • 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:** • 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:** • 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 & knowledge about wood, wood cutting and traditional wood joints. Students make research about different types of joints and where, when to use them.
Week No.2	Drawing all types & kinds of simple wood joints; To help students in learning how to draw & understand these different joints and where, when to use each type (manual engineering drawing).
Week No.3	Wooden stool chair – (Tabouret chair) – it's set of four legs, to improve the student ability by guessing appropriate (proper & suitable) joints for this example (Cad or Revit).
Week No.4	Simple wooden desk (Cad or Revit) + Classic Arm chair (Homework).
Week No.5	Work station unit, understanding the difference between traditional wood joints & connectors in modern updated furniture & furnishing. Connect and know how to join different materials such as (wood, glass, marble & metal), (Cad or Revit).
Week No.6	Kitchen unit (Cad engineering drawing).
Week No.7	7th Exam.
Week No.8	Front desk with false ceiling and wooden background cladding. (Cad drawing).
Week No.9	Designing front desk & how to joint different materials – wood, glass, marble, metal.
Week No.10	Raised floors &difference between wood and metal in design.
Week No.11	Cladding & partitions in wood or any material student's choosing**.**
Week No.12	12th Exam Drawing manual exam.
Week No.13	Choose a project to demonstrate the general student's knowledge level in design and joints.
Week No.14	Projects jury.
Week No.15	Final Exam.

5- Teaching and Learning Methods

The course comprises a combination of lectures, case study analysed, discussion sessions, class activities, feedback on presentations and project 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			
2	7th week exam	All skills		7	30%
3	12th week exam	All skills		12	20%
6	Project	All skills	1	14	10%
8	Final exam	All skills		15	40%
Total					100%

8- List of References:

a- Course Notes	Notes are handed out to the students throughout the semester.
b- Required Books (Textbooks)	• Graeme Brooker, Sally Stone, *Interior Architecture 02, context + environment*, AVA publishing SA, Switzerland.
c- Recommended Books	N/A
d- Periodicals, Web Sites, etc.	N/A