

DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 3104	MATERIAL AND CONSTRUCTION TECHNIQUES FOR FURNITURE DESIGN	2019-20/SPRING	2	2	3	4

Level of Course: Undergraduate

Course Type: Mandatory

Language of

Instruction: English

Course time: Friday, 14.00-17.50

Course classroom: STD A

Mode of Delivery: Class Teaching, Presentation, assignments

Prerequisites and Prerequisites: None

Co-requisites: Co-requisites: None

Course Coordinator: Asst. Prof. Dr. Mustafa Küçüktuvek

Name of Lecturer(s): Prt. Inst. Hikmet Başaytaç

Course Teaching Prt. Inst. Yalın Acun

Assistant: Melisa Unvan

Course Objectives: To learn the technical, practical and theoretical features of furniture design in terms of materials, design process, construction.

Course Description: This course focuses on aesthetical and technical dimensions of the furniture. Students will be introduced to the fundamentals of furniture design such as materials, details, finishings and construction techniques. At the end, students are expected to design and produce a furniture in 1/1 scale by considering the concepts and information that has been given before.

Level of Course: **Upon successful completion of the course, students will be able to:**

- To learn more about the basic qualities of materials by their direct use
- To develop a design sense which is informed by the fabrication process so that forms, structure and details speak about the methods with which they are made.
- To help the student plan a project that is within the scope of the course in terms of time and technique.
- Develop understanding of the logic of sequence of fabrication.

The studio classes and discussions will be in English.

Course Type:

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1. Fine Wood Working on Planes and Chisels, The Taunton Press
2. Designing Furniture by Seth Stem, The Taunton Press
3. Tilley, A.R., Henry Dreyfuss Associates (2002). The Measure of Man and Woman: Human Factors in Design. New York: John Wiley & Sons, Inc. ISBN 0471099554
4. The Art of Making Furniture by John Makepeace, Sterling Publishing Co.
5. The Unknown Craftsman by Soetsu Yanagi
6. Fine Woodworking on Joinery, The Taunton Press
7. The Fine Art of Cabinet Making by James Krenov, Van Nostrand Reinhold Co.

Language of Instruction:

Course time:

Course classroom:

Learning/Teaching Method: The expected learning outcomes for the course will be assessed through: Assignments, a Midterm Project, Final Project and Class discussions and feedback.

Assignments: Students are required to do short-term and long-term assignments throughout the semester. These assignments will be announced during the semester.

Class Participation: Regular attendance of all enrolled classes is expected. Do not be late to the class. Attendance will be taken through your signature within the first quarter of the class; if you come later you will be considered absent. At the end of the Semester, your attendance will be reported on UBS system. Attendance is compulsory and in case of absenteeism of more than 30%, the system will automatically grade you "FX". In critique sessions, attending the critiques with necessary materials will be considered as your attendance.

Academic integrity & plagiarism: Academic integrity is the pursuit of scholarly activity based on the values of: honesty, trust, fairness, respect and responsibility. Practicing academic integrity means never plagiarizing or cheating, never misrepresenting yourself, never falsifying information, never deceiving or compromising the work of others. Basically this means, either intentionally or unintentionally, using the words or ideas of someone else without giving credit, it's strictly forbidden.

Course Text books: There is no specific textbook for this course.

Key Works: In this studio course lectures and assignments mainly focuses on furniture manufacturing process.

Specific Rules:

1. Be punctual. Punctuality is a sign of respect toward yourself and the others.
2. Show respect for all the people and property around you.
3. Be responsible for your actions and meet all expectations.
4. Follow directions the first time they are given.
5. No candies or gums are allowed in the classroom during classes.
6. Students should raise their hand to signal a question or to answer a question.
7. Students should use the Internet at school for academic purposes only.
8. It is forbidden to record classes with any type of device.
9. Each student has a different learning style. Please create your own strategy to learn the topics mentioned in Syllabus.

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10. If you request, the instructor may repeat the lecture in the class or in the office and explain the subjects that you do not understand.
11. Students will be prepared for market conditions and their professional life during education period. Everyone will be treated equally and fairly. Please do not expect a privileged or special treatment from your instructor.
12. Please send your requests about the course to the instructor without delay. When the training process is completed, it is not possible to fulfill any demand.

Communication:

If you have any questions about the syllabus, your responsibilities in the course and assessment procedures please ask your instructor without any delay.

Students are encouraged to visit the professor during their Office Hours. If you cannot make it to announced office hours, please make individual arrangements via e-mail. However, do not expect the professor and the research assistant to respond at length via e-mail to questions of content, the definition of terms, grading questions, etc. If you have a question that requires a substantive response, please set up an appointment to speak with us.

Mode of Delivery:

Date	Week	Chapter Topic	Take-home exercise
14.02.2020	1	Syllabus overview Warm-Up project	Continue with Warm-up
21.02.2020	2	Warm-Up project	Finalize warm-up
28.02.2020	3	Lecture 1: Paper Submission of Warm-up Projects Class brainstorming on Sketches Continue mock ups and prototypes and sketches	Continue the Design Development
06.03.2020	4	Lecture 2: Wood and Plastic Continue mock ups and prototypes and sketches	Continue the Design Development
13.03.2020	5	Lecture 3: Joints Short Critiques on Sketches Technical drawing of Furniture Design	Continue completing tech. Dwg.
20.03.2020	6	Lecture 4: Joints Technical drawing of Furniture Design	Continue completing tech. Dwg.
27.03.2020	7	Midterm Project Announcement Finalize Design and Technical Dwg.	Midterm project Preparation
	8	MIDTERM EXAM WEEK	
10.04.2020	9	Announcing Selected Design Project Shaping the Groups Lecture on Application Process	Choosing the materials and finding a place for manufacture (Ass. 1)

17.04.2020	10	Students Presenting Ass. 1 Discussions and consultancy	Pre-Requirements for manufacturing (Meeting with craftsmen, etc.) Ass. 2
24.04.2020	11	Group presentation of Ass. 2 Discussions and consultancy	Recording failures, revisions and positive feature during manufacturing. (Ass. 3)
01.05.2020	12	Students Presenting Ass. 3 Discussions and consultancy	Recording failures, revisions and positive feature during manufacturing (Ass. 4)
08.05.2020	13	Students Presenting Ass. 4 Discussions and consultancy	Finalizing Manufacture Presentation sheets
15.05.2020	14	Review and Critiques on Final Project	Final Project Preparation
			FINAL EXAM

* PLEASE NOTE: Details of the syllabus and course schedule are subject to minor changes that will be announced in class and via email.

Grading: Midterm and final exam responses will be evaluated for accuracy, thoughtfulness and clarity based on the announced evaluation criteria.

Assessment Methods and Criteria :

METHODS	EFFECTS ON GRADING
Warm-Up	% 10
Midterm Project	% 20
Manufacture Development	% 30
Final Project	% 40
Total	% 100

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	13	4	52
Self-study for Assignments	4	5	20
Self-study for Midterm Project	1	9	9
Self-study for Final Project	1	19	19
Total Workload	0	0	100
Total workload/25			100/25
ECTS			4



GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester.

Grade Scale:

GRADE	MARKS	VALUE	GRADE	MARKS	VALUE
A+			C+	60-64	2.30
A	95-100	4.00	C	55-59	2.00
A-	85-94	3.70	C-	50-54	1.70
B+	80-84	3.30	D+	45-49	1.30
B	75-79	3.00	D	40-44	1.00
B-	65-74	2.70	F	0-39	0.00