

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1104	MODEL MAKING	2020-2021 /SPRING	1	2	2	2

Level of Course: Undergraduate
Course Type: Core Course
Language of Instruction: English
Course time: Wednesday, 13.30– 16.30
Course classroom: Online Course
Mode of Delivery: One o one critique, Class Teaching, Presentation, Assignments
Prerequisites and Co-requisites: -
Course Coordinator:

Name of Lecturer(s): Inst. Setenay Uçar
Course Teaching Assistant: Res.Asst. Serpil Bahçeci

Course Objectives: This course aims to identify and develop individual strengths in material investigation and architectural model-making, and to develop an understanding of the significant role of 3D manual processes within a design context.

Course Description: This course introduces various methods that will help and inspire students to advance their creative ideas and design projects. Students will gain skills in a practical way to focus on sketch models for the early stages of a design process. They will continue with improving their representations. For the further development, detailed models of the creative ideas will be used. The practical part of the course addresses a number of challenges. In small steps students will be guided through technical and creative difficulties of creating representative 3D models.

Learning Outcomes: **Upon successful completion of the course, students will be able to:**

1. Ability to explore alternative model-making materials.
2. Ability draw relationships between spatial qualities and the tactile, sensory and symbolic properties of materials during the thinking-making process.
3. Understanding the aspects of tectonic assembly, abstraction, representation and scale.
4. Learn to develop physical representation of their ideas.

Language:

The studio classes and discussions will be in English. Developing your verbal language skills will be very important in acquiring the disciplinary terminology as well as daily communication at the class.

Text Books: --

Recommended Text Books:

1. 'Model-Making: Materials and Methods, David Neat ,2008.
2. Designing with Models: A Studio Guide to Making and Using Architectural Design Models, Criss B. Mills ,2005.

For the terminology:

3. Francis D.K. Ching, 2005. *"Interior Design Illustrated*, John Wiley&Sons.
4. Interior Design by Jenny Gibbs
5. Philosophy of Interior Design by Abercrombie, S.

Reading Text books:

6. Model Making: Conceive, Create and Convince by Bernard Otte, Arjan Karssen
7. Architectural Model making (Portfolio Skills: Architecture) by Nick Dunn
8. New Concepts Architectural Models, Elias Caballero ,2009.

Planned Learning Activities and Teaching Method: **Learning/Teaching Method:** This is a studio course and students learn about model making by engaging in classwork and homework. The studio practice is supported by short verbal lectures at the beginning of the course and later individual hand-on exercises in the classroom.

Assignments: A series of assignments will be given to students. Students will start doing the assignments in the classroom and continue the assignment at home.

Assignment Development: At the end of each assignment the outcome will be evaluated in an open jury.

Class Participation: Regular attendance of all enrolled classes is expected. **For this course minimum 80% attendance is expected.** At the end of the Semester, your attendance will be reported on SIS system. Attendance is compulsory and in case of absenteeism of more than **20%**, the system will automatically grade you "FX". If you miss a class, it is your responsibility to 'make up' all work, including items discussed in class. Class contribution will be measured in terms of quality not quantity.

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. Students are required to study the recommended reading text books and also do researches on the variety of architectural presentation techniques.

Key Works: In this studio course assignments mainly focus on clear and creative 3d presentation of design ideas.

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. Students should use the Internet at school for academic purposes only.
6. It is forbidden to record classes with any type of device.
7. Bringing necessary materials to work in the classroom is obligatory.

Communication: 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, definition of terms, grading questions etc. If you have a question that requires a substantive response, please set up an appointment to speak with one of us.

**Course Contents*:
(Weekly Lecture
Plan)**

Date	Week	Chapter Topic	Take-home exercise	
03.03.2021	1	Introduction to the Course Warm up Model	Preparing the materials for Ass. 1: Choose 2 lamp samples and Prepare modeling materials for both selections	
10.03.2021	2	Ass 1: Lamp case modelling (for table, floor lamp etc.)	Continue with lamp case modelling	
17.03.2021	3	Lamp case model Critiques	Finalize Ass. 1	
24.03.2021	4	-Sub. Of Ass. 1 Ass. Critiques -Warm and cold colors -Sensory Rooms -Warm and Cold Interiors Cool and Warm Materials Lighting and Colour sample of Mood Boards	Ass. 2: Create interior design mood board for: Bedroom Living Room Toilet/Washroom	
31.03.2021	5	-Sub. of Ass. 2 -Origami Modelling: Furniture Ass. Critiques Model Making: Trees	Ass. 3 : Chair and Table Origami Model Making	
07.04.2021	6	Sub. of Ass. 3 Ass. Critiques Modelling in Sketch Up: Geometric Shapes 5 geometric shapes classwork	Midterm Project Preparation	

		Midterm Announcement	
14.04.2021	7	Practice modelling a Sample Pavilion with Sketch Up	Midterm Project Preparation
	8	MIDTERM	
28.04.2021	9	Practice Sketch Up modelling of an armchair	Continue with Ass. 4
05.05.2021	10	Sub. of Ass. 4 Online course with Sketch Up Amorph Surface	Ass. 5: Amorph building
12.05.2021	11	NATIONAL HOLIDAY	(The make-up lesson will be announced later) Continue with Ass. 5
19.05.2021	12	NATIONAL HOLIDAY	(The make-up lesson will be announced later) Continue with Ass. 5
26.05.2021	13	Sub. of Ass. 5 Online course with Sketch Up Final Project Announcement	Final Project Preparation
02.06.2021	14	Online course with Sketch Up Render and Lumion Texture and Bump	Final Project Preparation
MakeUp		Online course with Sketch Up Render and Lumion Lighting	Final Project Preparation
MakeUp		Online course with Sketch Up Render and Lumion Output picture and making video	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.

Grading: Midterm and final exam projects will be evaluated based on the requirements that will be announced in the classroom. Assignments will be evaluated based on the quality of presentation. Students' progress also will be evaluated throughout the semester based on their performance in classroom. Students with the Final Grade below D- (40) are required to repeat the course.



Assessment Methods and Criteria :	METHODS	EFFECTS ON GRADING		
	Assignments	30 %		
	Midterm Project	20 %		
	Final Project	50 %		
ECTS Workload Table :	ACTIVITIES	NUMBER	HOUR	WORKLOAD
	Course Teaching Hours	13	3	39
	Assignment/Project Developments(s)	6	1	6
	Midterm Project Preparation	1	2	2
	Final Project Preparation	1	4	4
	Total Workload	0	0	51
	Total workload/25			51/25
	ECTS			2

GRADING AND EVALUATION

Students' grades point lower than 40 will be considered as failed

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