

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1108	MODELLING TECHNIQUES-II	2025-2026/ SPRING	1	2	2	3

**Level of Course:** Undergraduate  
**Course Type:** Core Course  
**Language of Instruction:** English  
**Course time:** Monday, 14.00– 17.00  
**Course classroom:** Online Course  
**Mode of Delivery:** One o one critique, Class Teaching, Presentation, Classwork  
**Prerequisites and Co-requisites:** -  
**Course Coordinator:**

**Name of Lecturer(s):** Dr. Begüm SÖYEK ABAY  
**Course Teaching Assistant:**

**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 Karszen
  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 online 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 OBS system. Attendance is compulsory and in case of absenteeism of more than **20%**, the system will automatically grade you "F". 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.

**Use of Artificial Intelligence (AI):**

Students are permitted to use artificial intelligence (AI) tools (such as ChatGPT, Grammarly, etc.) for grammar correction and academic writing improvement throughout their work. However, AI-generated original content (e.g., analysis, paragraph writing, conceptual description, etc.) must not exceed 20% of the submitted material.

In any case where AI tools are used, students are required to include a clear declaration within the assignment/report/submission. This declaration must include the name of the AI

tool/model used, the specific purpose, and a brief explanation of how it contributed to the work.

**Example declaration:**

"I used ChatGPT-4 for proofreading and restructuring the introductory paragraph."

Failure to declare the use of AI tools when applied will be treated as a violation of academic integrity and plagiarism policies and may result in disciplinary action.

**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 focuses 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
09.02.2026	1	Introduction to the Course	Choose 2 iconic chairs with its designers, bring materials to the class
16.02.2026	2	Examples of architectural models -Classwork -Critiques	Draw your rooms plan and bring model making materials to the class
23.02.2026	3	Starting to use Sketch-up: Geometric shapes -Classwork -Critiques	Project Preparation



02.03.2026	4	Starting to use Sketch-up: Wardrobe, bookshelf, door etc. -Classwork -Critiques	Project Preparation	
09.03.2026	5	Table, coffee table, window, Chair etc. -Classwork -Critiques	Project Preparation	
16.03.2026	6	Practice modelling a landscape with Sketch Up Classwork	Midterm Project Preparation	
23.03.2025	7	-Midterm Project Preparation -Texture, color etc. -Critiques	Midterm Project Preparation	
	8	<b>MIDTERM</b>		
06.04.2026	9	-Practice Sketchup modelling of an armchair -Classwork	Project Preparation	
13.04.2026	10	-Practice modelling a Sample Pavilion -Classwork	Project Preparation	
20.04.2026	11	- Amorph Surface - Classwork	- Project Preparation	
27.04.2026	12	Final Project Render Lighting Texture and Bump -Critiques	-Download modelling programme	
04.05.2026	13	Final Project Render Lighting Texture and Bump -Critiques	Final Project Preparation	
11.05.2026	14	Critiques on Final Project Render Video / Animation -Critiques	Final Project Preparation	
18.05.2025	15	Critiques on Final Project Render Video / Animation -Critiques	Final Project Preparation	
		<b>FINAL EXAM</b>		

\* 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 C- (50) are required to repeat the course.

Assessment Methods and Criteria :	METHODS	EFFECTS ON GRADING		
	Classwork/Project Developments(s)	35 %		
	Midterm Project	25 %		
	Final Project	40 %		
ECTS Workload Table :	ACTIVITIES	NUMBER	HOUR	WORKLOAD
	Course Teaching Hours	14	1	14
	Classwork/Project Developments(s)	14	2	28
	Midterm Project Preparation	1	13	13
	Final Project Preparation	1	20	20
	<b>Total Workload</b>	<b>0</b>	<b>0</b>	<b>75</b>
	<b>Total workload/25</b>			<b>75/25</b>
	<b>ECTS</b>			<b>3</b>

#### GRADING AND EVALUATION

Students' grades point lower than 50 will be considered as failed

Grade Scale:

GRADE	MARKS	VALUE	GRADE	MARKS	VALUE
A+			C+	60-64	2.40
A	95-100	4.00	C	55-59	2.20
A-	85-94	3.70	C-	50-54	2.00
B+	80-84	3.30	D+	45-49	1.70
B	75-79	3.00	D	40-44	1.50
B-	65-74	2.70	F	0-39	0.00