



DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1107	MODELLING TECHNIQUES - I	2025-2026/FALL	1	2	3	3

Level of Course: Undergraduate

Course Type: Core Course

Language of the

Course:

Course time: English
Monday, Sec I -09:00-12:00, Sec II-13.30 – 16.30

Course

Classroom:

Office Hours:

Mode of Delivery: One to one critique, Class Teaching, Assignments, Homework

Prerequisites and

Co-requisites:

Course

Coordinator: Asst. Prof. Dr. Mehmet Uğur KAHRAMAN

Name of

Lecturer(s): Asst. Prof. Dr. Mehmet Uğur KAHRAMAN

Course Teaching
Assistant: Res. Asst. Ayşan Ilgın POLAT

Course Objectives: Developing the ability to perceive and represent three dimensions through the study of manual modeling and visualization techniques, as a foundation prior to computer-aided modeling.

Course Description: Objects and spaces will be represented through freehand isometric and artistic perspectives. In this context, 30-degree isometric perspective along with one-point and two-point artistic perspective drawing methods will be applied, guided by three-dimensional object/space models and two-dimensional plans. Throughout the process, model-making and freehand drawing will be addressed in conjunction with the concepts of scale and proportion.

- Learning Outcomes:**
- Developing model-making skills
 - Learning to express through manual drawing
 - Developing the ability to think in three dimensions
 - Learning the concepts of scale and proportion
 - Learning to enhance the physical presentation of design ideas

Language: English

Recommended**Text Books:**

- 1- Ching, F.D. (2005). *Interior Design Illustrated*, John Wiley & Sons.
- 2- Ching, F. D. (2023). *Architectural graphics*. John Wiley & Sons.
- 3- Ching, F. D. (2019). *Building construction illustrated*. John Wiley & Sons.
- 4- Ching, F. D. (2023). *Architecture: Form, space, and order*. John Wiley & Sons.
- 5- Ching, F. D. (2019). *Design drawing*. John Wiley & Sons.

**Planned Learning
Activities and
Teaching Method:**

Learning/Teaching Method: *This is a studio course and students learn about design process by getting directly involved in the process. The studio practice is supported by lectures and group/one-o-one critique sessions. The main teaching medium in studio is criticism on studio assignments with student.*

Assignments: *A series of assignments will be given to students. Students will start doing the assignments in the home and continue the assignment at class. At the end of each assignment the outcome will be evaluated for grading.*

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 half-attended. 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 20% for the practice and %30 for the theory, 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.*

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 textbooks 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.

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
22.09.2025	1	-Introduction to the Course - Warm up Drawing (preparing a model from the given object drawing and complete it in class & draw the 30 degree isometric perspective of the object)	Preparing the model of the assigned drawing to be brought to class
29.09.2025	2	-30° Isometric Perspective Drawing / Basic Objects (preparing a model from the given object drawing and complete it in class & draw the 30 degree isometric perspective of the object)	Preparing the model of the assigned drawing to be brought to class
06.10.2025	3	-30° Isometric Perspective Drawing / Basic Objects (preparing a model from the given object drawing and complete it in class & draw the 30 degree isometric perspective of the object)	Preparing the model of the assigned drawing to be brought to class
13.10.2025	4	-30° Isometric Perspective Drawing / Basic Objects (preparing a model from the given object drawing and complete it in class & draw the 30 degree isometric perspective of the object)	Preparing the model of the assigned drawing to be brought to class



20.10.2025	5	-30° Isometric Perspective Drawing / Basic Objects (preparing a model from the given object drawing and complete it in class & draw the 30 degree isometric perspective of the object) -Choosing given 2 furniture Samples	Choosing 2 chair samples and preparing the first chair the model
27.10.2025	6	-30° Isometric Perspective Drawing / 1st Chair Modelling (1/20) (preparing a model for the selected chair & draw the 30 degree isometric perspective of the object)	Preparing the second chair the model
03.11.2025	7	-30° Isometric Perspective Drawing / 2nd Chair Modelling (1/20) (preparing a model for the selected chair & draw the 30 degree isometric perspective of the object)	Midterm preparation
	8	MIDTERM	
17.11.2025	9	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Preparing the model of the assigned drawing to be brought to class
24.11.2025	10	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Preparing the model of the assigned drawing to be brought to class
01.12.2025	11	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Preparing the model of the assigned drawing to be brought to class
08.12.2025	12	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan	Preparing the model of the assigned drawing to be brought to class



		(preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	
15.12.2025	13	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Preparing the model of the assigned drawing to be brought to class
22.12.2025	14	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Preparing the model of the assigned drawing to be brought to class
29.12.2025	15	One-Point and Two-Point Artistic Perspective Drawing / Partial Plan (preparing a model from the given object drawing and complete it in class & draw the one point & two-point perspective of the object)	Final preparation
		FINAL	

* 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 responses will be evaluated for accuracy, thoughtfulness and clarity. Assignments will be evaluated for content, quality of ideas and clarity of presentation (including all necessary materials). **If total assessment grade is lower than 50, student needs to repeat the course.**

Assessment Methods
and Criteria:

METHODS	EFFECTS ON GRADING
Classwork/Assignment(s)	30%
Midterm	20%
Final	50%

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	13	3	39



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Classwork/Assignment(s)	1	14	14
Midterm Preparation	1	8	8
Midterm	1	3	3
Final Project Preparation	1	8	8
Final	1	3	3
Total workload/25			75/25
ECTS			3

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester. 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	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

Course outline and evaluation criteria can be changed according to weekly progress by course instructor. If any change will occur, it will announce to students via e-mail.