

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1102	TECHNICAL DRAWING II	2024-2025/Fall	2	2	3	4

Level of Course: Undergraduate

Course Type: Core Course

Language of

Instruction: English

Course Time: Wednesday 13:30 – 17.30

Course Classroom: BB-34

Office Hours: -

Mode of Delivery: Class Teaching, Presentation, Assignments

Prerequisites and Prerequisites: IAED 1101 Technical Drawing I

Co-requisites: None

Course Coordinator: Asst. Prof. Dr. Yaren ŞEKERCI

Name of Lecturer(s): Asst. Prof. Dr. Yaren ŞEKERCI

Course Teaching Lec. Dr. Arzu ÇAKMAK

Assistant: Res. Asst. Ayşan Ilgın POLAT

Course Objectives: The aim of this course is to express the aimed design ideas in two dimensional plane, to acquire advanced drawing and expression techniques, to prepare technical drawings and reading skills, to measure technical drawings, to use the signs and symbols, to acquire the ability to draw discipline specific structural and contextual elements.

Course Description: The aim of the course is to introduce scale, hatch and technical expressions by teaching plan, section and elevation drawings.

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

- Students will be able to express the ideas developed during the design process and their justifications using various technical drawing expressions.
- Students understand vertical and horizontal transportation and circulation systems related to stairs.
- Students will be able to gain the ability to work in groups.

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:** 1. Engineering Design Graphics, J.H. Earle, Addison-Wesley Publ., 1994. Francis D.K.
2. Ching, Mimarlık ve Sanatta Yaratıcı bir Süreç: Çizim; çev. Çelen Birkan, YEM, 2003

- Recommended Text Books:**
1. Francis D.K. Ching, Architectural Graphics, Architectural Press, 1984
 2. Francis D.K. Ching, Architecture, Form, Space & Order, 1979
 3. David A. Davis, Theodore D. Walker, Plan Graphics, Wiley, 2000
 4. Orhan Şahinler, Fehmi Kızıl, Mimarlık'ta Teknik Resim, YEM, 2004
 5. John Berger, Görme Biçimleri, Metis Yayınları, 1995
 6. Engineering Design Graphics, J.H. Earle, Addison-Wesley Publ., 1994.
 7. Engineering Graphics, F.E. Giesecke, et.al., MacMillan Publ, 2004.
 8. Technical Graphics Communication, G.R. Bertoline, et.al., McGraw-Hill, 2003.

For the Terminology:

Reading Text books:

Planned Learning Activities and Teaching Method: The expected learning outcomes for the course will be assessed through: Studio drawings, homeworks, final exam.

Homeworks: Students are required to submit throughout 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 course; 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 **20%** in practice and **30%** in theoretic, 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. If you need to leave early for whatever reason, you should exercise politeness and notify your professor at the commencement of the session.

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 but topics will mainly follow the chapters in the book 'Engineering Design Graphics'.

Key Works: In this studio course lectures and assignments mainly focuses on following course content.

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
25.09.2024	1	-Site Plan and Exterior Elevation (1/100) -The concept of plan and section (1/100) <ul style="list-style-type: none"> Modeling as a group Drawing basic plan and section 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
02.10.2024	2	- General Plan (1/50) <ul style="list-style-type: none"> Designing as a group Modeling as a group Peer critique session 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
09.10.2024	3	- General Plan (1/50) <ul style="list-style-type: none"> Drawing a plan Drawing a flooring plan Peer critique session 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
16.10.2024	4	- General Section (1/50) <ul style="list-style-type: none"> Making a model of the horizontal section drawing Drawing a horizontal section Peer critique session 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
23.10.2024	5	- General Section (1/50) <ul style="list-style-type: none"> Making a model of a vertical section drawing Drawing a vertical general section Peer critique session 	<ul style="list-style-type: none"> Re-drawing/ completing the in-class drawings correctly if it is necessary
30.10.2024	6	- General Ceiling Plan (1/50) <ul style="list-style-type: none"> Drawing ceiling plan Peer critique session 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
06.11.2024	7	- Bonus Week (Midterm Week Preparations)	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if

			it is necessary
	8	- MIDTERM SUBMISSION	N/A
13.11.2024	9	- Living room (1/20) <ul style="list-style-type: none"> • Drawing the plan • Drawing one section • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/completing the in-class drawings correctly if it is necessary
20.11.2024	10	- Bathroom (1/20) <ul style="list-style-type: none"> • Drawing the plan • Drawing one section • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
27.11.2024	11	- Bathroom (1/20) <ul style="list-style-type: none"> • Drawing the ceiling plan • Drawing 2 interior elevations • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
04.12.2024	12	- Kitchen (1/20) <ul style="list-style-type: none"> • Drawing the plan • Drawing one section • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
11.12.2024	13	- Staircase (1/20) <ul style="list-style-type: none"> • Designing as a group • Modeling as a group • Drawing plan • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
18.12.2024	14	- Staircase (1/20) <ul style="list-style-type: none"> • Designing as a group • Modeling as a group • Drawing plan • Peer critique session 	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
25.12.2024	15	- Bonus Week (Final Week Preparations)	<ul style="list-style-type: none"> • Re-drawing/ completing the in-class drawings correctly if it is necessary
		FINAL EXAM	

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

PLEASE NOTE 2: Class exercises will be considered as attendance. At the end of the course, you need to upload what you drew during the course as class exercise and those who didn't upload anything will be considered as absent even though they were in Microsoft Teams.

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
Bringing Drawing and Model Making Materials to the Course	5%
In-class participation	25%
Midterm Submission	30%
Final Submission	40%

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	14	2	28
Studio Drawings	14	2	28
Weekly homework	11	4	44
Midterm Submission Preparation	1	2	2
Final Submission Preparation	1	2	2
Total Workload	0	0	104
Total workload/25			104/25

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester.

Grade Scale:

GRADE	MARKS	VALUE	GRADE	MARKS	VALUE
A+			C+	60-64	2.40
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