



Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1102	TECHNICAL DRAWING II	2023-2024/Spring	2	2	3	4

Level of Course: Undergraduate

Course Type: Core Course

Language of

Instruction: English

Course Time: Monday 9:00 – 13.00

Course Classroom: STD B

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. Müge Develier
Hakan Bal

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:

1. Engage in creative design practice.
2. Draw plans and sections of interior components in appropriate scale and techniques.
3. Draw plans and sections of interiors in appropriate scale and techniques.
4. Apply technical dimensioning rules in their drawings.
5. Draw plans and sections of stairs in appropriate scale and techniques.

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 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. 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
12.02.2024	1	- Drawing Rules Exercises	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
19.02.2024	2	- General Plan (1/50) <ul style="list-style-type: none"> Designing as a group Modeling as a group 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
26.02.2024	3	- General Plan (1/50) <ul style="list-style-type: none"> Drawing a plan Drawing a flooring plan Peer critique session (for the previous week) 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
04.03.2024	4	- General Section (1/50) <ul style="list-style-type: none"> Drawing a vertical and a horizontal section (2 sections) Peer critique session (for the previous week) 	<ul style="list-style-type: none"> Re-drawing/ completing the in-class drawings correctly if it is necessary
11.03.2024	5	- General Ceiling Plan (1/50) <ul style="list-style-type: none"> Drawing ceiling plan Peer critique session (for the previous week) 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
18.03.2024	6	- Living room (1/20) <ul style="list-style-type: none"> Drawing the plan Drawing one section Peer critique session (for the previous week) 	<ul style="list-style-type: none"> Re-drawing/completing the in-class drawings correctly if it is necessary
25.03.2024	7	-Midterm Preparation	<ul style="list-style-type: none"> Getting ready to the midterm submission
	8	- MIDTERM SUBMISSION	N/A
08.04.2024	9	<ul style="list-style-type: none"> National Holiday 	N/A



15.04.2024	10	- Bathroom (1/20) <ul style="list-style-type: none">• Drawing the plan• Drawing one section• Drawing the ceiling plan• Drawing 1 interior elevation	<ul style="list-style-type: none">• Re-drawing/ completing the in-class drawings correctly if it is necessary
22.04.2024	11	- Kitchen (1/20) <ul style="list-style-type: none">• Drawing the plan• Drawing one section• Drawing one interior elevation• Drawing ceiling plan• Peer critique session (for the previous week)	<ul style="list-style-type: none">• Re-drawing/ completing the in-class drawings correctly if it is necessary
29.04.2024	12	- Staircase (1/20) <ul style="list-style-type: none">• Designing as a group• Modeling as a group• Drawing plan• Peer critique session (for the previous week)	<ul style="list-style-type: none">• Re-drawing/ completing the in-class drawings correctly if it is necessary
06.05.2024	13	- Staircase (1/20) <ul style="list-style-type: none">• Drawing a section• Drawing a ceiling plan• Peer critique session (for the previous week)	<ul style="list-style-type: none">• Getting ready to the final submission
13.05.2024	14	-Final Preparation	<ul style="list-style-type: none">• Getting ready to the final submission
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 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
Bringing Drawing and Model Making Materials to the Course	5%
In-class participation	25%

Form No:ÜY-FR-0021 Yayın Tarihi:03.05.2018 Değ.No:0 Değ. Tarihi:-



	Midterm Submission	30%		
	Final Submission	40%		
ECTS Workload Table :	ACTIVITIES	NUMBER	HOUR	WORKLOAD
	Course Teaching Hours	13	2	26
	Studio Drawings	13	2	26
	Weekly homework	11	4	44
	Midterm Submission Preparation	1	2	2
	Final Submission Preparation	1	2	2
	Total Workload	0	0	100
	Total workload/25			100/25

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