



DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1102	TECHNICAL DRAWING II	2024-2025/Spring	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.

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- 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
05.02.2025	1	<p>-Site Plan and Exterior Elevation (1/100) -The concept of plan and section (1/100)</p> <ul style="list-style-type: none"> Modeling as a group Drawing basic plan and section <hr/> <p>(no critique) Evaluation based on:</p> <ul style="list-style-type: none"> Modeling (ICP) 33% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> Drawing the plan (ICP) 34% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> Drawing the section (ICP) 33% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> 	Re-drawing/ completing the in-class drawings correctly if it is necessary
12.02.2025	2	<p>- General Plan (1/50)</p> <ul style="list-style-type: none"> Designing as a group Modeling as a group Peer critique session <hr/> <p>There will be critique of the 1. week's drawings and model. Evaluation based on:</p> <ul style="list-style-type: none"> Designing (ICP) 33% (will be controlled at the end of the course.) Modeling (ICP) 34% (will be controlled at the end of the course.)-<i>doesn't have to be finished, but at least half of it should be done.-</i> Peer critique (ICP) 33% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you</i> 	Re-drawing/ completing the in-class drawings correctly if it is necessary



		<p><i>should finalize before the course)</i></p> <ul style="list-style-type: none">○ 1/100 model 25%○ 1/100 plan 25%○ 1/100 section 25%○ Giving critique to the peers 25%	
19.02.2025	3	<p>- General Plan (1/50)</p> <ul style="list-style-type: none">● Drawing a plan● Drawing a flooring plan● Peer critique session <hr/> <p>There will be critique of the 2. week's drawings and model.</p> <p>Evaluation based on:</p> <ul style="list-style-type: none">● Drawing a plan (ICP) 34% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.</i>-● Drawing a floor plan (ICP) 33% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.</i>-● Peer critique (ICP) 33% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i><ul style="list-style-type: none">○ 1/50 colored and furnished group model 50%○ design 25%○ Giving critique to the peers 25%	<p>Re-drawing /completing the in-class drawings correctly if it is necessary</p>
26.02.2025	4	<p>- General Section (1/50)</p> <ul style="list-style-type: none">● Making a model of the horizontal section drawing● Drawing a horizontal section● Peer critique session <hr/> <p>There will be critique of the 3. week's drawings and model.</p> <p>Evaluation based on:</p> <ul style="list-style-type: none">● Drawing a horizontal section (ICP) 34% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.</i>-● Making the model of the section (ICP)	<p>Re-drawing/ completing the in-class drawings correctly if it is necessary</p>



		<p>33% (will be controlled at the end of the course.)-doesn't have to be finished, but at least half of it should be done.-</p> <ul style="list-style-type: none">Peer critique (ICP) 33% (will be at the end of the course.) (if you couldn't finish at the course in the previous week, you should finalize before the course)<ul style="list-style-type: none">1/50 plan 50%1/50 floor plan 25%Giving critique to the peers 25%	
05.03.2025	5	<p>- General Section (1/50)</p> <ul style="list-style-type: none">Making a model of a vertical section drawingDrawing a vertical general sectionPeer critique session <hr/> <p>There will be critique of the 4. week's drawings and model.</p> <p>Evaluation based on:</p> <ul style="list-style-type: none">Drawing a vertical section (ICP) 34% (will be controlled at the end of the course.)- doesn't have to be finished, but at least half of it should be done.-Making the model of the section (ICP) 33% (will be controlled at the end of the course.)-doesn't have to be finished, but at least half of it should be done.-Peer critique (ICP) 33% (will be at the end of the course.) (if you couldn't finish at the course in the previous week, you should finalize before the course)<ul style="list-style-type: none">1/50 horizontal section 50%1/50 model of the section 25%Giving critique to the peers 25%	Re-drawing/ completing the in-class drawings correctly if it is necessary
12.03.2025	6	<p>- General Ceiling Plan (1/50)</p> <ul style="list-style-type: none">Drawing ceiling planPeer critique session <hr/> <p>There will be critique of the 5. week's drawings and model.</p> <p>Evaluation based on:</p> <ul style="list-style-type: none">Drawing a vertical section (ICP) 34% (will be controlled at the end of the course.)-	Re-drawing/ completing the in-class drawings correctly if it is necessary

		<p><i>doesn't have to be finished, but at least half of it should be done.-</i></p> <ul style="list-style-type: none"> • Making the model of the section (ICP) 33% (will be controlled at the end of the course.)-<i>doesn't have to be finished, but at least half of it should be done.-</i> • Peer critique (ICP) 33% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i> <ul style="list-style-type: none"> ○ 1/50 vertical section 50% ○ 1/50 model of the section 25% ○ Giving critique to the peers 25% 	
19.03.2025	7	- Quiz (will be part of the midterm evaluation)	Preparation for midterm submission
	8	- MIDTERM SUBMISSION	N/A
02.04.2025	9	<p>- Living room (1/20)</p> <ul style="list-style-type: none"> • Drawing the partial plan • Drawing one section • Drawing one interior elevation • Drawing partial ceiling plan • Peer critique session <hr/> <p>(no critique) Evaluation based on:</p> <ul style="list-style-type: none"> • Drawing the plan (ICP) 25% (will be controlled at the end of the course.)-<i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the section (ICP) 25% (will be controlled at the end of the course.)-<i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the interior elevation (ICP) 25% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the ceiling plan (ICP) 25% (will be controlled at the end of the course.)-<i>doesn't have to be finished, but at least half of it should be done.-</i> 	Re-drawing/ completing the in-class drawings correctly if it is necessary

09.04.2025	10	<p>- Bathroom (1/20)</p> <ul style="list-style-type: none"> • Drawing the partial plan • Drawing one section • Drawing one interior elevation • Drawing partial ceiling plan • Peer critique session <hr/> <p>There will be critique of the 9. week's drawings and model.</p> <p>Evaluation based on:</p> <ul style="list-style-type: none"> • Drawing the plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the section (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the interior elevation (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the ceiling plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Peer critique (ICP) 20% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i> <ul style="list-style-type: none"> ○ 1/20 living room plan 30% ○ 1/20 living room section 30% ○ 1/20 living room int elevation 10% ○ 1/20 ceiling plan 30% 	<p>Re-drawing/ completing the in- class drawings correctly if it is necessary</p>
16.04.2025	11	<p>- Kitchen (1/20)</p> <ul style="list-style-type: none"> • Drawing the partial plan • Drawing one section • Drawing one interior elevation • Drawing partial ceiling plan • Peer critique session <hr/> <p>There will be critique of the 10. week's drawings and model.</p> <p>Evaluation based on:</p>	<p>Re-drawing/ completing the in- class drawings correctly if it is necessary</p>



		<ul style="list-style-type: none">• Drawing the plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i>• Drawing the section (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i>• Drawing the interior elevation (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i>• Drawing the ceiling plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i>• Peer critique (ICP) 20% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i><ul style="list-style-type: none">○ 1/20 bathroom plan 30%○ 1/20 bathroom section 30%○ 1/20 bathroom int elevation 10%○ 1/20 ceiling plan 30%	
23.04.2025	12	NATIONAL HOLIDAY	
30.04.2025	13	- Staircase (1/20) <ul style="list-style-type: none">• Designing as a group• Drawing the partial plan• Drawing one section• Drawing the ceiling plan• Peer critique session <hr/> <p>There will be critique of the 11. week's drawings and model. Evaluation based on:</p> <ul style="list-style-type: none">• Drawing the plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i>• Drawing the section (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least</i>	Re-drawing/ completing the in- class drawings correctly if it is necessary

		<p><i>half of it should be done.-</i></p> <ul style="list-style-type: none"> • Drawing the interior elevation (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Drawing the ceiling plan (ICP) 20% (will be controlled at the end of the course.)- <i>doesn't have to be finished, but at least half of it should be done.-</i> • Peer critique (ICP) 20% (will be at the end of the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i> <ul style="list-style-type: none"> ○ 1/20 kitchen plan 30% ○ 1/20 kitchen section 30% ○ 1/20 kitchen int elevation 10% ○ 1/20 ceiling plan 30% 	
07.05.2025	14	<p>-Staircase critiques and general critiques There will be critique of the 13. week's drawings and model.</p> <hr/> <p>Evaluation based on:</p> <ul style="list-style-type: none"> • Peer critique (ICP) 100% (will be throughout the course.) <i>(if you couldn't finish at the course in the previous week, you should finalize before the course)</i> <ul style="list-style-type: none"> ○ 1/20 staircase plan 30% ○ 1/20 staircase section 40% (will be added the ceiling) ○ 1/20 ceiling plan 30% 	Preparation for quiz
14.05.2025	15	- Quiz (will be part of the final evaluation)	Preparation for 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 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
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In-class participation (ICP)	20%
Midterm Submission	30%
Final Submission	50%

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	11	2	22
Studio Drawings	11	2	22
Weekly homework	11	4	44
Quiz	2	4	8
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