



DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 1102	TECHNICAL DRAWING II	2021-2022/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:** LMS; Microsoft Teams

**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. M. Uğur Kahraman

**Name of Lecturer(s):**  
**Course Teaching**

**Assistant:** Yaren Şekerci

**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:** Scale, hatches, expressions and technical drawings of plan, section and elevation are introduced.

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

1. Engage in creative design practice.
2. Use an investigative approach to design.
3. Compose concepts, scenarios, and user profiles with life style and consistent design idea, through techniques such as, bubble diagram, collage, sketching, model making etc.
4. Use basic techniques of site analysis and surveying the context.
5. Apply their conceptual approach to the design.

**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. 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:**

**Learning/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.

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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
15/09/20 21	1	- <b>Technical Drawing Expressions in 1/50 Scale</b> 1/50 plan of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
22/09/20 21	2	- <b>Technical Drawing Expressions in 1/50 Scale</b> 1/50 sections of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
29/09/20 21	3	- <b>Technical Drawing Expressions in 1/50 Scale, ceiling types and drawings</b> 1/50 ceiling plan of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
06/10/20 21	4	- <b>Technical Drawing Expressions in 1/20 Scale</b> 1/20 wc partial plan, section and ceiling plan of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
13/10/20 21	5	- <b>Technical Drawing Expressions in 1/20 Scale</b> 1/20 kitchen partial plan, section and ceiling plan of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
20/10/20 21	6	- <b>Technical Drawing Expressions in 1/20 Scale</b> 1/20 living room partial plan, section and ceiling plan of a single storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
27/10/20 21	7	- <b>Technical Drawing Staircase Expressions in 1/20 Scale</b> U and L staircase (class exercise BY HAND)	N/A

	8	- MIDTERM	N/A
10/11/20 21	9	- <b>Technical Drawing Staircase Expressions in 1/20 Scale</b> Half turn and quarter turn staircase (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
17/11/20 21	10	- <b>Technical Drawing Expressions in 1/50 Scale</b> 1/50 plan of a double storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
24/11/20 21	11	- <b>Technical Drawing Expressions in 1/50 Scale</b> 1/50 section of a double storey flat (class exercise BY HAND)	Homework (Completing the class exercise BY HAND)
01/12/20 21	12	QUIZ	N/A
08/12/20 21	13	- <b>Technical Drawing Expressions</b> 1/10-1/1 details	Homework (Completing the class exercise BY HAND)
15/12/20 21	14	- <b>Technical Drawing Expressions</b> 1/10-1/5 kitchen cabinet detail	N/A
		<b>FINAL EXAM</b>	

\* 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 40, student needs to repeat the course.**

**Assessment Methods and Criteria :**

METHODS	EFFECTS ON GRADING
Quiz	20%
Midterm	30%
Final Jury	50%

**ECTS Workload Table :**

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	12	2	24



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Studio Drawings	12	2	24
Quiz	1	4	4
Homework	12	2	24
Midterm Preparation	1	6	6
Midterm Exam	1	4	4
Final Exam Preparation	1	10	10
Final Exam	1	4	4
<b>Total Workload</b>	<b>0</b>	<b>0</b>	<b>100</b>
<b>Total workload/25</b>			<b>100/25</b>

**GRADING AND EVALUATION**

The students' progress will be evaluated throughout the semester.

Grade Scale:

GRADE	MARKS	VALUE	GRADE	MARKS	VALUE
A+			C+	60-64	2.30
A	95-100	4.00	C	55-59	2.00
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