



Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
ARC 1101	TECHNICAL DRAWING – I	2019-2020/FALL	2	2	4	4

Level of Course: Undergraduate

Course Type: Core Course

Language of the Course: English

Course time: Thursday, 09.00- 13.00
Course

Classroom: ARC STD III

Office Hours: Wednesday 10.00-12.00

Mode of Delivery: Class Teaching, Assignments, Homework

Prerequisites and Co-requisites:

Course Coordinator: Lecturer Ramazan SARI

Name of Lecturer(s): Lecturer Oya Keskin,
Lecturer Nil Kokulu

Course Teaching Assistant:

Course Objectives: The aim of the course is step by step teaching the fundamentals of technical drawing in terms of not only knowledge aspect but also expressing personal skills and talents through studio practices and assignments

Course Description: The course includes not only intellectual but also practical knowledge on various methods and techniques related with technical presentation methods starting from orthographic projection to perspective projection to provide the students enough practical knowledge to be able to not only read but also draw and illustrate various architectural design schemas.

Learning Outcomes:

- Learning the term and terminology related with technical drawing
- Comparing and analyzing the difference between
- Ability to transform abstract ideas to 3d objects, two-dimensional and three-dimensional works.
- Ability to engage in problem solving by mixing practice and theory of design process.

Language: English

**Recommended
Text Books:**

- 1- Dornie, David, (2010), Architectural Drawing (Portfolio Skills) Laurance King Publishing, London, UK

Planned Learning Activities and Teaching Method: This is a practice-based learning activities where during the class hours, after theoretical background of the drawing techniques are presented, there will be small drawing exercise in the studio. Each week these exercise will be accompanied by take-home assignments.

Course Materials:

Please bring always the below drawing equipment to the class throughout the semester:

- Drawing Pencils (4h,3h,2h,h,b,2b,3b,4b)
- Soft Eraser and Ruler (30 or 50 cm)
- Triangles (45° by 45° and 30° by 60°) (minimum length is 20 cm)
- Compass and Protractor
- A3 and A4 papers
- Adhesive Tape (White Paper Tape)

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 are various textbooks for this course. However, these books are not completely cover the course content in which the content is specifically prepared for Turkish drawing standards.

Key Works: Attend the class regularly, submit the assignments on time, develop your drawing skills by examining the previous weeks assignments and improve yourself.

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
19.09.19	1	<ul style="list-style-type: none"> • A Review of Course Outline • Introduction of Necessary Drawing Equipment 	
26.09.19	2	<ul style="list-style-type: none"> • Lines and Line Types 	Assignment – 1: Straight and Inclined Lines
03.10.19	3	<ul style="list-style-type: none"> • Hatches and Lettering 	Assignment – 2: Pattern drawing and Lettering
10.10.19	4	<ul style="list-style-type: none"> • Introduction to Object Views & Parallel Projection 	Assignment – 3: Object Drawing with Views
17.10.19	5	<ul style="list-style-type: none"> • Multi-View Object Drawing 	Assignment – 4: Multi-View Object Drawing
24.10.19	6	<ul style="list-style-type: none"> • Introduction to cut plane concept, cut plane of objects, vertical and horizontal sections 	Assignment – 5: Object Section drawing
31.10.19	7	<ul style="list-style-type: none"> • Orthographic Projection of a Building: Elevation Drawing 	Assignment – 6: Orthographic Projection
07.11.19	8	MIDTERM EXAM	Line drawing, Lettering, Object Views, Parallel Projection, Cut Plane Concept
14.11.19	9	<ul style="list-style-type: none"> • Principles of Cut Plane and Plan drawing 	Assignment – 7: Plan Drawing
21.11.19	10	<ul style="list-style-type: none"> • Principles of Cut Plane and Section Drawing 	Assignment – 8: Section Drawing
28.11.19	11	<ul style="list-style-type: none"> • Dimensioning • Introduction to Final Exam Drawing Requirements 	Assignment – 9: Dimensioning



05.12.19	12	• Plan, Section & Elevation drawing of a building	Assignment – 10: Plan, Section & elevation drawing
12.12.19	13	• Introduction to 3-D drawings: Axonometric, Oblique and Perspective Projection	Assignment – 11: Axonometric, Oblique and Perspective projection
19.12.19	14	• Review of Semester	
Final Week	15	FINAL SUBMISSION	

* 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 D, student need to repeat the course.**

Assessment Methods and Criteria :	METHODS	EFFECTS ON GRADING
	Take-Home Assignment	%30
Midterm	%25	
Final Submission	%45	

ECTS Workload Table :	ACTIVITIES	NUMBER	HOUR	WORKLOAD
	Course Teaching Hours	12	2.5	30
	Studio Practices	12	2	24
	Take-Home Assignments	10	3	30
	Final Project Preparation	1	16	16

Total workload/25	100/25
ECTS	4

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester. Students' grades lower than CC will be considered as failed.

Grade Scale:

90 - 100	AA	4,00
85 - 89	BA	3,50
80 - 84	BB	3,00
75 - 79	CB	2,50
65 - 74	CC	2,00
55 - 64	DC	1,50
50 - 54	DD	1,00
45 - 49	FD	0,50
0 - 44	FF	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.