

TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture
Architecture

Course Information

TECHNICAL DRAWING					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ARC135	Fall	4	4	5	6

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Prof. Erkin ERTEN, Inst. Yeliz ÇERMİKLİ BULUKLU
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	Giving education to students about orthographic, isometric, axonometric, dimetric drawing and architectural drawing details.
Contents of the Course	Orthographic drawing techniques, 1/50 scale drawing techniques according to the plan section and elevation drawings.

Learning Outcomes of Course

#	Learning Outcomes
1	Be able to identify the tools and equipment that are used for technical drawing, be able to use the drawing tools and equipment in coordination with each other
2	Be able to identify basic forms
3	Be able to draw plan, section and views of objets and read drawings
4	Be able to gain ability to think in three dimensions, and describe three dimensions on two dimensions
5	Be able to interrogate the concept of perspective, can draw single and double escape perspective
6	Be able to describe the scale concept and draw in different detail at different scales

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Information about course materials, learning outcomes, preparing the course and writing course	Drawing in the class
2	Drawing different kinds of horizontal and vertical lines with T ruler and drawing cycles.	Drawing in the class
3	Orthographic drawing technique main examples and workshop with students (plan, section, elevation).	Drawing in the class
4	Orthographic drawing technique intermediate level examples and workshop with students (plan, section, elevation).	Drawing in the class
5	Orthographic drawing technique high level examples and workshop with students (plan, section, elevation).	Drawing in the class
6	1/50 scale plan and section drawing techniques main examples and workshop with students.	Drawing in the class
7	1/50 scale plan and section drawing techniques intermediate examples and workshop with students.	Drawing in the class
8	Midterm	Drawing in the class

9	Drawing two-storey housing plan suitable for 1/50 scale technique	Drawing in the class
10	Drawing two-storey housing section suitable for 1/50 scale technique	Drawing in the class
11	Drawing two-storey housing elevation suitable for 1/50 scale technique	Drawing in the class
12	Drawing two-storey housing plan suitable for 1/50 scale technique	Drawing in the class
13	Drawing two-storey housing section suitable for 1/50 scale technique	Drawing in the class
14	Drawing two-storey housing elevation suitable for 1/50 scale technique	Drawing in the class
15	General information about the site plan.	Drawing in the class
16	Final Exam	Drawing in the class

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Mimarlıkta Teknik Resim, Orhan ŞAHİNLER, YEM yayınları		
2	Düşey Sirkülasyon Araçları Merdivenler, Abdullah SARI, YEM yayınları		
3	Architectural Working Drawings, Ralph W. LIEBING		
4	Technical Drawing Materials		
5	web		
6	Architecture, Form ve Geometry, Esen Onat, Efil Yayınevi		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Be able to identify the tools and equipment that are used for technical drawing, be able to use the drawing tools and equipment in coordination with each other	4	1,2,3
2	Be able to identify basic forms	4	1,2,3
3	Be able to draw plan, section and views of objects and read drawings	4	1,2,3
4	Be able to gain ability to think in three dimensions, and describe three dimensions on two dimensions	4	1,2,3
5	Be able to interrogate the concept of perspective, can draw single and double escape perspective	4	1,2,3
6	Be able to describe the scale concept and draw in different detail at different scales	4	1,2,3

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	8	112
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0

6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	5	5
8	Midterm Exam	1	8	8
9	Quiz	0	0	0
10	Homework	14	2	28
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	5	5
16	Final Exam	1	8	8
				180