

Vocational School / Architectural Restoration
2024 - 2025 Academic Year
TECHNICAL DRAWING I
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TECHNICAL DRAWING I	MRS1160990	Fall Semester	2+2	3	6
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Lect. Esra YAVUZ ÖZTÜRK				
Name of Lecturer(s)	Lect. Ferdane Esra TANRIKULU, Lect. Merve UĞUR				
Assistant(s)	Öğr. Gör. Merve Uğur				
Aim	Improving hand skills on drawing rules of basic geometric shapes and pattern, concepts of scale, plan, section, elevation, and detail drawing.				
Course Content	This course contains; Introducing the course, introducing the course materials,Free hand writing exercises and use of tools and layout ,Line type drawing exercises,Geometric drawing ,Planar transformations(rotation, scale, mirror, move) and pattern emergent,Pattern exercises ,Pattern exercises ,Projeciton and elevation,Elevation drawing ,Elevation drawing ,Plan and section drawing,Plan and section drawing,Plan and section drawing,Plan, section and elevation drawing.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
He/She can read technical drawings.			14, 6, 8, 9	A, E	
He/She can comprehend drawing techniques.			14, 6, 8, 9	A, E	
He/She can create motif drawings.			14, 6, 8, 9	A, E	
He/She can draw plans, elevations and sections of buildings at various scales.			14, 6, 8, 9	A, E	
He/She can do dimensioning of projects.			14, 6, 8, 9	A, E	
Teaching Methods	14: Self Study Method, 6: Experiential Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Introducing the course, introducing the course materials				
2	Free hand writing exercises and use of tools and layout				
3	Line type drawing exercises				
4	Geometric drawing				
5	Planar transformations(rotation, scale, mirror, move) and pattern emergent				
6	Pattern exercises				
7	Pattern exercises				
8	Projeciton and elevation				
9	Elevation drawing				
10	Elevation drawing				
11	Plan and section drawing				
12	Plan and section drawing				
13	Plan and section drawing				
14	Plan, section and elevation drawing				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Şahinler, O. (1990). Mimarlıkta Teknik Resim, Yay, İstanbul Ching, F.D.K. (1996). Architectural Graphics, Van Nostrand Reinhold, New York Pancarçı A., Öcal E., Yapı Teknik Resmi Cilt I, 2013 Pancarçı A., Öcal E., Yapı Teknik Resmi Cilt II, 2013 Ching F, Çizimlerle Bina Yapım Rehberi, 2001