

**Vocational School / Construction Technology**  
**2024 - 2025 Academic Year**  
**COMPUTER AIDED DETAIL DRAWING**  
**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
COMPUTER AIDED DETAIL DRAWING	İNŞ2277090	Spring Semester	3+0	3	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Lect. Fatma Bengü YOĞURTÇU				
<b>Name of Lecturer(s)</b>	Lect. Ahmet OKUTAN				
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of this course is to gain the ability of planning detail solutions at construction projects and preparing technical drawing of detail design projects.				
<b>Course Content</b>	This course contains; Introduction, Project phases and implementation criteria, Drawing layout plan, Floor plan and roof plan drawing, Floor plan and roof plan drawing, Section drawing, Section drawing, Detail drawing, Detail drawing, Stairs plan and detail drawing, Stairs plan and detail drawing, Window details, Door details, Project design.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
The student will be able to draw technical details of projects.			10, 16, 19, 6, 9	A, F	
The student will be able to prepare 3D visualizations of project including the detail solutions.			10, 16, 19, 9	A, F	
Can have technical knowledge about the structural elements, dimensions and function of a building.			10, 14, 16, 6, 8, 9	A, F	
Learn the basic commands to be applied in the drawing program as well as additional commands to develop a faster drawing technique.			10, 14, 16, 6, 8, 9	A, F	
Gains technical knowledge about the layers of application details of a structure.			10, 14, 16, 6, 8, 9	A, F	
<b>Teaching Methods</b>	10: Discussion Method, 14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 6: Experiential Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, F: Project Task				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction.				
2	Project phases and implementation criteria.				
3	Drawing layout plan.				
4	Floor plan and roof plan drawing.				
5	Floor plan and roof plan drawing.				
6	Section drawing.				
7	Section drawing.				
8	Detail drawing.				
9	Detail drawing.				
10	Stairs plan and detail drawing.				
11	Stairs plan and detail drawing.				
12	Window details.				
13	Door details.				
14	Project design				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

<b>Resources</b>
Şahinler, O, Kızıl, F., (2004), "Mimarlıkta teknik resim", YEM, İstanbul.