

Vocational School / Construction Technology
2024 - 2025 Academic Year
CONSTRUCTION TECHNOLOGY I
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CONSTRUCTION TECHNOLOGY I	İNŞ1160920	Fall Semester	3+0	3	3
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Lect. Fatma Bengü YOĞURTÇU				
Name of Lecturer(s)	Lect. Fatma Bengü YOĞURTÇU				
Assistant(s)					
Aim	To introduce the concepts of structure and construction technology, to comprehend the performance characteristics expected from the structure in relation to the users and the environment, in this context to gain knowledge and skill about understanding materials and details of application of substructure systems.				
Course Content	This course contains; Structural systems, Structural systems design principles, structural system materials, External wall types and carcass materials, External wall insulation and finishing materials and application details, Floor system types and carcass materials, Analyzing details of external walls on examples, Floor system types and carcass materials, Floor system insulation and finishing materials and application details, Analyzing details of floor systems on examples, student presentation, student presentation, student presentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
The student can interpret physical environmental conditions and their effects on the structure.			13, 19, 9	A	
The student can opine about the structural system, building elements system, service systems .			19, 4, 6, 9	A	
The student can describe properties of materials and usage areas of building materials.			19, 37, 5, 9	A	
The student can analyze types and properties of building elements.			19, 2, 9	A	
The student can understand and interpret the detail drawings of building elements.			19, 9	A	
Teaching Methods	13: Case Study Method, 19: Brainstorming Technique, 2: Project Based Learning Model, 37: Computer-Internet Supported Instruction, 4: Inquiry-Based Learning, 5: Cooperative Learning, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Structural systems				
2	Structural systems design principles				
3	structural system materials				
4	External wall types and carcass materials				
5	External wall insulation and finishing materials and application details				
6	Floor system types and carcass materials				
7	Analyzing details of external walls on examples				
8	Floor system types and carcass materials				
9	Floor system insulation and finishing materials and application details				
10	Analyzing details of floor systems on examples				
11	student presentation				
12	student presentation				
13	student presentation				
14	student presentation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Course presentations Aslan, M., "Yapı Teknolojileri 1", Üçüncü Baskı (2015), Seçkin Yayıncılık. Aslan, M., "Yapı Teknolojileri 2", Üçüncü Baskı (2015), Seçkin Yayıncılık. Açıkkel, D.A., Altın, M., Dorum, A., "Yapı Teknolojisi", Dördüncü Baskı (2013), Nobel Akademik Yayıncılık.