

Vocational School / Construction Technology

2024 - 2025 Academic Year

CONSTRUCTION TECHNOLOGY II

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CONSTRUCTION TECHNOLOGY II	İNŞ1260940	Spring 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 related to building and building technology, to comprehend the performance characteristics expected from the building in relation to the user and the environment, and in this context, to gain knowledge and skills related to the understanding of building sub-systems materials and application details.				
Course Content	This course contains; Floor system types ,Floor system types and carcass materials,Floor system insulation and finishing materials and application details,Analyzing details of floor systems on examples,Roof systems types and carcass materials,Roof system insulation and finishing materials and application details,Analyzing details of roof systems on examples,Types of stairs,Dimentional proproties of stairs,Partition walls,building openings types and materials,student presentation,student presentation,student presentation,student presentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Can have an idea about the structural system, structural elements system, service systems that make up the structure.			19, 4, 6, 9	A, E	
Interpret the physical environmental conditions and their effects on the structure.			13, 19, 9	A, E	
Define the properties and usage areas of building materials.			19, 37, 5, 9	A, E	
Analyze the types and properties of structural elements.			19, 2, 9	A, E	
Understand and interpret detail drawings of structural elements.			19, 9	A, E	
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, E: Homework				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Floor system types				
2	Floor system types and carcass materials				
3	Floor system insulation and finishing materials and application details				
4	Analyzing details of floor systems on examples				
5	Roof systems types and carcass materials				
6	Roof system insulation and finishing materials and application details				
6	Analyzing details of roof systems on examples				
7	Types of stairs				
8	Dimentional proproties of stairs				
9	Partition walls				
10	building openings types and materials				
11	student presentation				
12	student presentation				
13	student presentation				
14	student presentation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

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