

Vocational School / Construction Technology

2024 - 2025 Academic Year

SITE ORGANIZATION

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
SITE ORGANIZATION	İNŞ2111115	Fall Semester	3+0	3	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Elective				
Course Coordinator	Lect. Fatma Bengü YOĞURTÇU				
Name of Lecturer(s)	Lect. Fatma Bengü YOĞURTÇU				
Assistant(s)					
Aim	To prepare for professional business life by discussing management concepts, technological advances, technical problems and solutions in the context of the construction industry.				
Course Content	This course contains; Meeting, Introduction of the Course and Explanation of its Purpose, Explanation of Success Conditions, interactive mutual discussion about industry expectations, Communication management definition, objectives and general principles, career planning suggestions, Construction Phases and scope of the project life cycle, Points to consider regarding building materials and field manufacturing frequently used in construction projects, Electromechanical systems in construction projects and their relationship with other disciplines, Definition, purpose, importance and discussion of OHS management and Risk management with case studies, Definition, purpose and application areas of Quality Management in construction sector, Midterm exam, Definition of design management, purpose, basic principles of project coordination, discussion with case studies, Digitalization trends (artificial intelligence etc.) in the construction industry (Industry 4.0), Definition, purpose and importance of contract management, examination of sample contracts and interpretation of work program, Tender, cost, value and procurement management definition, purpose and importance, explanation with case studies, Definition and purpose of progress payment management, sample progress payment, interpretation of cash flow tables, Definition, purpose and year-end review of claim management.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Throughout the semester, the student becomes aware of the ongoing problems in the sector.			10, 12, 13, 16, 19, 9	A	
The student has an idea about the possible problems and may encounter in professional life and how to manage them.			10, 12, 13, 16, 19, 9	A	
Can contribute to the formation of the construction site management team.			10, 12, 13, 16, 19, 9	A	
Can contribute to cost management and approximate budget preparation.			10, 12, 13, 16, 19, 9	A	
By learning the stages of a construction project life cycle, one can evaluate the processes in the sector in the context of cost, time and quality.			10, 12, 13, 16, 19, 9	A	
Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 13: Case Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Meeting, Introduction of the Course and Explanation of its Purpose, Explanation of Success Conditions, interactive mutual discussion about industry expectations				
2	Communication management definition, objectives and general principles, career planning suggestions				
3	Construction Phases and scope of the project life cycle				
4	Points to consider regarding building materials and field manufacturing frequently used in construction projects				
5	Electromechanical systems in construction projects and their relationship with other disciplines				
6	Definition, purpose, importance and discussion of OHS management and Risk management with case studies				
7	Definition, purpose and application areas of Quality Management in construction sector				
8	Midterm exam				
9	Definition of design management, purpose, basic principles of project coordination, discussion with case studies				
10	Digitalization trends (artificial intelligence etc.) in the construction industry (Industry 4.0)				
11	Definition, purpose and importance of contract management, examination of sample contracts and interpretation of work program				
12	Tender, cost, value and procurement management definition, purpose and importance, explanation with case studies				
13	Definition and purpose of progress payment management, sample progress payment, interpretation of cash flow tables				
14	Definition, purpose and year-end review of claim management				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Lecture presentations