

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ADVANCE CONSTRUCTION MANAGEMENT	ICT2215153	Spring Semester	2+0	2	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	Contractual Relations in Construction Management.Design Management				
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Prof.Dr. Ayşe Zeynep SÖZEN				
<b>Name of Lecturer(s)</b>	Prof.Dr. Hüseyin Atilla DİKBAS, Prof.Dr. Sema ERGÖNÜL				
<b>Assistant(s)</b>					
<b>Aim</b>	The course aims to convey advanced management skills and techniques in the field of Construction Management.				
<b>Course Content</b>	This course contains; General introduction- Objectives, content and method of the course, General Concepts, time management in building project management, time management planning and control techniques,Planning with the critical path method,Critical Path Method: Exercise,Crashing the project: exercise,Overview of cost management in building projects, cost planning and control techniques,Review,Midyear exam,Earned Value Analysis,Overview of quality management systems in building projects, quality planning and control techniques,Pareto analysis, problem solving techniques,Overview of human relations management in building projects (motivation and leadership),Motivation and leadership,General review.				
<b>Course Learning Outcomes</b>				<b>Teaching Methods</b>	<b>Assessment Methods</b>
Gains knowledge and skills about cost management					A, E
Gains knowledge and skills in quality management					
1. Gains knowledge and skills in time management					
<b>Teaching Methods</b>					
<b>Assessment Methods</b>	A: Traditional Written Exam, E: Homework				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	General introduction- Objectives, content and method of the course				
2	General Concepts, time management in building project management, time management planning and control techniques				
3	Planning with the critical path method				
4	Critical Path Method: Exercise				
5	Crashing the project: exercise				
6	Overview of cost management in building projects, cost planning and control techniques				
7	Review				
8	Midyear exam				
9	Earned Value Analysis				
10	Overview of quality management systems in building projects, quality planning and control techniques				
11	Pareto analysis, problem solving techniques				
12	Overview of human relations management in building projects (motivation and leadership)				
13	Motivation and leadership				
14	General review				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

Resources
Proje Yönetimi Bilgi Birikim Kılavuzu (PMBOK Kılavuzu) Yedinci Sürüm, 2022Lecture notes