

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
ADVANCE CONSTRUCTION MANAGEMENT	ARC2215229	Spring Semester	2+0	2	4
Prerequisites Courses					
Recommended Elective Courses	Contractual Relations in Construction Management. Design Management				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Prof.Dr. Ayşe Zeynep SÖZEN				
Name of Lecturer(s)	Prof.Dr. Hüseyin Atilla DİKBAŞ, Prof.Dr. Sema ERGÖNÜL				
Assistant(s)					
Aim	The course aims to convey advanced management skills and techniques in the field of Construction Management.				
Course Content	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.				
Course Learning Outcomes				Teaching Methods	Assessment Methods
Gains knowledge and skills in time management					
Gains knowledge and skills about cost management					
Gains knowledge and skills in quality management					A, E
Teaching Methods					
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
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				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

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