

School of Fine Arts Design and Architecture / Architecture (English)

2023 - 2024 Academic Year

CONSTRUCTION SITE MANAGEMENT

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CONSTRUCTION SITE MANAGEMENT	ARC3215252	Spring Semester	2+1	2,5	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Mustafa ERDEM				
Name of Lecturer(s)	Lect. Devrim KETENCİ				
Assistant(s)					
Aim	1. To teach the concept of construction site.2. To teach the organization of construction site.3. To teach the basic operations and interactions of management, planning and implementation operations carried out within the construction site in the construction production process.				
Course Content	This course contains; Introduction,Basic Concepts ,Roles and Relationships on Site,Project Delivery Systems,Tender Process and The Selection of The Contractor,Construction Operations and Job Site ,Project Planning, Scheduling, and Monitoring Project Performance ,Midterm,The Construction Contract Types and The Contract Administration ,The Concept of Progress Bill and The Preparation Payment Certificate,Management of Project Risks ,Exercise in Class,Post-Construction Stage The Closure and The Occupancy by The Employer.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Şantiye konsepti ve şantiyenin temeli / The construction site concept and the foundation of site2. Saha Yönetimi ve Organizasyonu / Site management and organization3. Sahada Dokümantasyon / Documentation on site4. Başarılı saha yönetimi için öncelikli konular ve yeni trendler / Priority subjects for successful field management, and new trends				A, E	
Teaching Methods					
Assessment Methods			A: Traditional Written Exam, E: Homework		
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction				
2	Basic Concepts				
3	Roles and Relationships on Site				
4	Project Delivery Systems				
5	Tender Process and The Selection of The Contractor				
6	Construction Operations and Job Site				
7	Project Planning, Scheduling, and Monitoring Project Performance				
8	Midterm				
9	The Construction Contract Types and The Contract Administration				
10	The Concept of Progress Bill and The Preparation Payment Certificate				
12	Management of Project Risks				
13	Exercise in Class				
14	Post-Construction Stage The Closure and The Occupancy by The Employer				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Sorguç, D., 1993. Yapı İşletmesi Ders Notu, İ.T.Ü. Rektörlüğü, İstanbul Levy, S., 2002. Project Management in Construction, McGraw-Hill, New York Gould, F, Joyce, N., 2000. Construction Project Management, Prentice-Hall Inc., New Jersey Ballard, G. and Howell, G., 1998. What Kind of Production is Construction, Proceedings IGLC, Guaruja