

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CONSTRUCTION MANAGEMENT	ICT2141050	Fall Semester	2+0	2	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Prof.Dr. Ayşe Zeynep SÖZEN				
<b>Name of Lecturer(s)</b>	Prof.Dr. Sema ERGÖNÜL				
<b>Assistant(s)</b>	Res. Assist. Zeynep Yazıcioğlu				
<b>Aim</b>	To equip future architects and interior architects with the core competencies and techniques needed to manage and deliver a Construction Project.				
<b>Course Content</b>	This course contains; Objectives of the course and the relationship of the course with other disciplines. A general review of the construction sector and construction projects.,Construction management: Basic concepts-Management, Project, efficiency, effectiveness, managerial functions-planning, organizing,directing, control. Management theories. Areas of knowledge in Project Management.,Organizing for construction projects. Stakeholders of construction projects. Procurement systems.,Planning and programming of construction projects.Basic concepts in planning and programming .Relationship between planning and programming. Steps in planning and programming.,Cost planning and control. Management of resources _materials, equipment, labour, money, knowledge.Cost control and capital investment techniques. Cost estimation. Methods of cost estimation at various stages of the construction process. Tools used in cost estimation,Bidding and submitting a tender. Related processes.,Quality constraints: design and performance specifications,Specifications and project delivery systems,Site management:Technical and organizational infrastructure of construction sites.Responsibilities of Project stakeholders.,Monitoring and controlling of projects. Monitoring of progress and schedules. Documentation and site meetings.,Health and safety in construction.Work accidents and occupational diseases.,Closing of the construction Project. Post construction evaluation and relations between the Project stakeholders.,General evaluation.,Final exam.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1.Describes the functions of construction managers and Project managers.			10, 13, 16, 6, 9	A	
Creates a schedule for a simple construction Project.			10, 13, 16, 6, 9	A	
Creates a cost estimate for a simple construction Project			10, 13, 16, 6, 9	A	
Distinguishes between types of specifications (design v. performance)			10, 12, 13, 16, 9	A	
Applies basic project cost and time performance techniques (Earned Value Analysis)			10, 13, 16, 6, 9	A	
Associates project delivery systems and pricing arrangements with project risk.			10, 13, 16, 6, 9	A	
<b>Teaching Methods</b>	10: Discussion Method, 12: Problem Solving Method, 13: Case Study Method, 16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Objectives of the course and the relationship of the course with other disciplines. A general review of the construction sector and construction projects.				
2	Construction management: Basic concepts-Management, Project, efficiency, effectiveness, managerial functions-planning, organizing,directing, control. Management theories. Areas of knowledge in Project Management.				
3	Organizing for construction projects. Stakeholders of construction projects. Procurement systems.				
4	Planning and programming of construction projects.Basic concepts in planning and programming .Relationship between planning and programming. Steps in planning and programming.				
5	Cost planning and control. Management of resources _materials, equipment, labour, money, knowledge.Cost control and capital investment techniques. Cost estimation. Methods of cost estimation at various stages of the construction process. Tools used in cost estimation				
6	Bidding and submitting a tender. Related processes.				
7	Quality constraints: design and performance specifications				
8	Specifications and project delivery systems				
9	Site management:Technical and organizational infrastructure of construction sites.Responsibilities of Project stakeholders.				
10	Monitoring and controlling of projects. Monitoring of progress and schedules. Documentation and site meetings.				
11	Health and safety in construction.Work accidents and occupational diseases.				
12	Closing of the construction Project. Post construction evaluation and relations between the Project stakeholders.				
13	General evaluation.				
14	Final exam				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		50			
General Exam		50			

**Resources**

To be distributed by the lecturer. Frank Harris, Ronald McCaffer with Francis Edum-Fotwe, Modern Construction Management, 7th Edition, 2013, Wiley-Blackwell  
S. Keoki Sears Glenn A. Sears, Richard H. Clough, Construction Project Management: A Practical Guide to Field Construction Management, 2008, Wiley.  
Juana Clark Craig, Project Management Lite: Just Enough to Get the Job Done...Nothing More, 2012.  
Alison Dykstra, Construction Project Management: A Complete Introduction, Kirshner, 2011.  
Y.C. Chiu, An Introduction to the History of Project Management: From the Earliest Times to A.D. 1900, Eburon.  
Paul Segal, Professional Practice: A Guide to Turning Designs into Buildings, Norton, 2006.