

Course Day and Hour : Wednesday 8.30-10.30 Cuma: 8.30-11.30
Course Room : 227
Course Credit : 3+2
Course Web Site :

Course Instructor: Prof. Dr. H. Murat GÜNAYDIN Assoc. Prof. Dr. Emrah ACAR
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Course Assistant/s:
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## Course Description

The importance of the construction sector, its position in Turkey's economy; country, sector, company, project level administrative and economic decisions, their effects taken during building production process; participants of the building production process; project life cycle are introduced. In addition to the roles, responsibilities of architect, as the coordinator of building production process, in different project delivery methods, construction contract types; knowledge, skills that architect should have in design management, cost management, time management in different stages of the process are described. Practical studies are made with the help of various tools and techniques.

## Course Structure and Plan

### Course Plan

WEEK	TOPIC
1	Basic concepts of construction management and economics
2	Management levels and problems in construction projects
3	Building life cycle and participants
4	Project life cycle and participants
5	Construction tender and contract documents
6	Project delivery methods: Traditional
7	Project delivery methods: Design + Build
8	Project delivery methods: Construction Management
9	Cost management in construction projects: General Concepts
10	Factors affecting cost in construction projects
11	Cost estimation techniques in construction projects: Practical study
12	Time management in construction projects: General Concepts
13	Time management techniques in construction projects
14	Time management in construction projects: Practical study

## Recommended Readings

1. R. Pilcher, Principles of Construction Management, Mc Graw-Hill Company, London, 1992
2. The CSI, Project Delivery Practice Guide, John Willey & Sons Inc, 2011
3. A. Lester. Project Management, Planning and Control: Managing Engineering, Construction and Manufacturing Projects to PMI, APM and BSI Standards. John Wiley & Sons, New Jersey, 2015
4. A. Walker. Project Management in Construction. John Wiley & Sons, United Kingdom, 2015
5. PMBOK® Guide – Sixth Edition, 2017

## Course Assessment

- The minimum grade to avoid VF and to earn the right to take the Final Exam is;
- a minimum of 70% course attendance and a minimum of 80% practical study attendance
  - submission or practical studies as required
  - get a minimum mark of "50" from mid-term course evaluation

### Mid-term course evaluation:

Average of practical studies	: % 50
Average of mid-term exam(s)	: % 50
Mid-term grade	: % 100

### Final evaluation:

Mid-term exam(s)	: % 25
Practical studies	: %25
Final exam	: % 50
Total	: % 100