

ARCH 406 – Architectural Design Management

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Course Description

The overall design and building/construction process is complex and integrated with other disciplines. Each architectural design is unique and has its content considering its design and building/construction processes. Based on these stances, this course will help students to improve their visions to take part in integrated design teams and finding new pathways for management of complex designs in building environments.

This course covers content and context of management principles of architectural design process, building/construction process and their interactions including stakeholders. The course includes design management concepts and methods, design and building/construction planning, project organization and management of knowledge, time, cost, quality and risks.

Course Objectives

The course focuses on teaching the foundation to provide insight into the design and building/construction processes and is designed specifically to provide an overview of design management skills, competencies and tasks. The course aims to analyse system, strategies and management principles in building environment.

Learning Outcomes

1. Defines principles of design and building/construction management with its processes
2. Identifies project management concepts and methods commonly used in design and be able to apply them to processes planned.
3. Plan design strategies for complex processes for integrated design teams
4. Determine balance between time, cost, quality in design management.
5. Analyse risks in design and building/construction processes

Teaching Policy

Study:The scope of this class is to guide through in the analysis, synthesis of design and building/construction processes in building environment with theoretical knowledge enriched with practical skills.

Education Method:Lecture, Assignment, Presentation, Discussion, Self study, Self-education

-The students will be assigned a series of texts(articles, papers, etc)

-The course will be structured around one or more case studies upon with the assigned tasks related with the contents of the course.

-There will be visiting professionals based on the subjects.

-Each student will make ready a term paper at the end of term based on case study2.

Academical Ethics:

Considering jointly education and learning process of the lecture, proper academic behaviours should be achieved as listed below:

- be respectful to others' benefiting from education opportunities at its maximum level
- not use/show anyone's work as yourself

- not use/show anyone's work without referencing
- be responsible to group members while working together
- participate studies on time and in full
- appreciate others contribution and success
- *the most important one is to be honest and openhearted*

Opposite behaviour may cause failure and disciplinary executions.

(*)adapted from Prof.Dr. Selahattin Önür 's work on academic ethics.

Teaching Policy:

Study:The scope of this class is to guide through in the analysis, synthesis of design and building/construction processes in building environment with theoretical knowledge enriched with practical skills.

Education Method:Lecture, Assignment, Presentation, Discussion, Self study, Self-education, Technical Visit

-Each week, the students will be assigned a series of texts(articles, papers, etc)

-The course will be structured around case studies upon with the assigned tasks related with the contents of the course.

-Each student will make ready a Term Project at the end of term based on case study.

Grading:

Case study 1	:20%
Midterm Exam	:20%
Case study 2	:30%
Final Exam	:30%
Course Attendance (B)	:10%
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TOTAL	110%

References:

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Allinson, K., Getting There by Design, An Architect's Guide to Design and Project Management. Architectural Press. New York, 1998, ISBN 978-0750626231

Winch, G.M., Managing Construction Projects, Wiley –Blackwell Publications, 2nd ed. Iowa, 2009, ISBN 978-1405184571

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Fellows, R., Liu, A., Research Methods For Construction, 3rd ed., Blackwell, 2008, ISBN 978-1405177900

Gültekin, A.T., Proje Yönetimi, Palme Yayıncılık, 2007, ISBN 9944341509