

**Faculty:** Architecture  
**Course Code & Number:** ARCH 464  
**Type of Course:** Compulsory  
**Course Credit Hours:** (3+0+0) 3 / 3 ECTS  
**Language of Instruction:** English

**Department:** Architecture  
**Course Title:** Construction and Management  
**Semester:** Spring  
**Pre-requisite:** None  
**Mode of Delivery:** Face-to-face

**Instructor:**  
Onur Yüncü  
Room No: 425 - E: onur.yuncu@tedu.edu.tr

### CATALOG DESCRIPTION

Processes for project development and construction. Address to real world business issues and relate classroom experiences to the workplace. Combines design and engineering concepts with management, communication, and business skills.

### COURSE OBJECTIVE

This course aims to provide an overview of professional environment that an architect works in with its interrelations among different actors such as other architects, engineers, consultants, contractors, clients and legal authorities. It aims to develop awareness on the processes occurring during the realization of a project.

### LEARNING OUTCOMES

- Upon successful completion of this course, a student will be able to
1. transfer their design knowledge to real world business issues
  2. explore managerial and organizational dimensions of a building project
  3. be able to plan a schedule for a design work
  4. have an awareness of basic communication skills required in construction business
  5. work both independently and in a group

### TEACHING METHODS AND LEARNING ACTIVITIES

Course is organized as a series of lecture/discussions with the presence of a guest professional who is an expert on the corresponding topic. Students are expected to actively engage in these discussions and prepare commentaries on these discussions in addition to a mid-term examination and a term paper.

### EVALUATION

Students will be evaluated on the basis of the quality and process of the work, the completion of assignments, and contribution to the course environment. It is reminded that proper, elaborate and regularly updated documentation of the course work on the weblog is an important part of the evaluation.

- Weekly Commentaries: 15%  
Mid-Term: 30%  
Final assignment: 50%  
Contribution, Weblog and Attendance: %5

Assessment Methods	Course Learning Outcomes
Weekly Commentaries	#1-2-4-5
Mid-term Exam	#1-2-3
Final Assignment	#1-2-3-4-5
Course Contribution, Weblog and Attendance	#4-5

### GRADING SYSTEM

For each course taken, the student is given one of the following grades by the course teacher. The letter grades, coefficients and percentage equivalents are given below.

AA	4.0 / 100-90
BA	3.5 / 89-85
BB	3.0 / 84-80
CB	2.5 / 79-75
CC	2.0 / 74-70 average
DC	1.5 / 69-60
DD	1.0 / 59-50 unsatisfactory
F	0.0 / 49-0 fails to follow requirements of the assignment
FX	0

**LANGUAGE**

The studio discussions and all of your presentations will be in English. Developing your verbal language skills will be very important in acquiring design terminology as well as daily communication in the studio.

**ATTENDANCE**

It is extremely important to follow the course. 30% worth of non-attendance results in failing.

**MISSED WORK**

In case of medical report or accepted excuses by the university policies, the instructor may evaluate the missed work as incomplete. Incomplete work is generally discouraged.

**PLAGIARISM & CHEATING**

Each student is expected to respect for others work, and learning experience, avoid plagiarism and cheating, provide appropriate citation of others' ideas, works and products. Each work should be an original product of students' own learning and research process.

**STUDENT WORKLOAD**

70 hours (Lectures 39 hrs | Weekly Commentaries: 15 | Midterm Exam: 4 hrs | Term Paper: 12 hrs)

**SUGGESTED READINGS / BOOKS**

Cuff, Dana. *Architecture : The Story of Practice*, Cambridge: The MIT Press, 1991.

Kostof, Spiro. *The Architect: Chapters in the History of a Profession*, Berkeley: University of California Press (1st edition 1977), 2000.

Sarfatti Larson, Magali. "Practice and Education in 21st Century Architecture," in Fernando Lara and Sonia Marques, eds. *Quid Novi? Dilemas do ensino da arquitetura no seculo 21*. Austin, TX, nhamerica press, 2015.

RIBA Report, "The Future for Architects?"

AIA Foresight Report 2014

TMMOB Mimarlar Odası Mimarlık Hizmetleri Şartnamesi ve En Az Bedel Tarifesi

Ankara Büyükşehir Belediyesi İmar Yönetmeliği

Planlı Alanlar Tip İmar Yönetmeliği

Otopark Yönetmeliği

Binaların Yangından Korunması Hakkında Yönetmelik

# SYLLABUS / ARCH 464 CONSTRUCTION AND MANAGEMENT

- W1. Introduction**  
Architect's Role in the Society  
Job Possibilities
- W2. Architectural Practice**  
Legal & Administrative Processes in Turkey  
Practice Organization  
Business Development  
Guest: Asst. Prof. Dr. Bilge İmamoğlu
- W3. Rules & Regulations**  
Municipal Regulations  
Chamber of Architects Regulations  
Disability Regulations, Parking Regulations, Fire Safety Regulations  
Guest: Chamber of Architects
- W4. Project Development Process**  
Contracts  
Project Phases  
Approval Processes
- W5. Project Development Process (cont.)**  
Introduction of the Organization in a Large Scale Project  
Guest: Architect in Practice
- W6. Collaboration**  
Engineers / Consultants  
Guest: Structural Engineer in Practice  
Theme: Structural design & architectural space
- W7. Collaboration (cont.)**  
Engineers / Consultants  
Guest: Mechanical Engineer in Practice  
Theme: Mechanical systems & architectural space
- W8. Collaboration (cont.)**  
Engineers / Consultants  
Guest: Electrical Engineer in Practice  
Theme: Electrical systems & architectural space
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- Midterm Exam***
- W9. Collaboration (cont.)**  
Engineers / Consultants  
Guest: Urban Planner in Practice  
Theme: Architectural space in an environment
- W10. Collaboration (cont.)**  
Engineers / Consultants  
Guest: Fire Protection Specialist  
Theme: Fire protection & architectural space
- W11. Project Management**  
Guest: Project Manager
- W12. Building Information Modelling**  
Guest: Architect in Practice
- W13. Construction Processes**  
Guest: Construction Executive
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- Final Assignment***  
In Depth Analysis of a Topic Discussed during Semester