

**MARMARA UNIVERSITY SCHOOL OF ARCHITECTURE**  
**2021-2022 / SPRING Semester**

<b>Course Title</b>	<b>Code</b>	<b>Semester</b>	<b>Hour (T+P)</b>	<b>Credit</b>	<b>ECTS</b>
Profession and Practice	ARCH 404	8	3+0	3	3
<b>Prerequisites</b>					
<b>Language of Instruction</b>	English				
<b>Course Type (Required / elective)</b>	Required				
<b>Course Coordinator</b>	Dr. Aslı ULUBAŞ HAMURCU, Dr. Ela ÖNEY YAZICI				
<b>Instructors /e-mail</b>	Dr. Aslı ULUBAŞ HAMURCU / ulubas.hamurcu@marmara.edu.tr Dr. Ela ÖNEY YAZICI / ela.yazici@gmail.com				

<b>Goals</b>	This course aims (i) to introduce the legal regulations related to land development and architectural practice and (ii) to provide students with an understanding of the concepts and techniques of project and construction management.	
<b>Learning Outcomes</b>	On successful completion of this module, the students are expected to: <ol style="list-style-type: none"> <li>1. understand the general structure of the legal system and the legislation concerning land development in Turkey</li> <li>2. learn the concepts and the definitions in the legal regulations concerning land development</li> <li>3. have knowledge of the plan types and their scope</li> <li>4. have knowledge about planning processes and to understand their relationship with architectural practice at the implementation level of land development</li> <li>5. learn the stages of construction works and to know the relevant legislation</li> <li>6. understand the fundamentals of construction projects and their management</li> <li>7. develop an understanding of the alternative construction and project management techniques</li> </ol>	
<b>Course Content</b>	This course includes basic information about legal legislations related to land development and architectural practice, as well as fundamentals of project and construction management including construction contracts and project delivery, construction project planning and programming, building economics, digital construction & BIM, latests trends in the field.	
<b>Assessment Criteria</b>	<b>Assessment Components</b>	<b>No component may have more than 50% weight.</b>
	Mid -term exam	% 40
	Final Exam	% 60
	<b>TOTAL</b>	<b>% 100</b>

<b>WEEKLY TOPICS AND PREPARATIONS</b>			
<b>WEEKS</b>	<b>DATE</b>	<b>TOPICS</b>	<b>PREPARATIONS</b>
Week 1	23.02	<b>Introduction</b> - Course outline --- Break --- <b>Lecture: Law, Administrative Law and Turkey's Administrative Structure</b> - Branches of law, administrative law and Turkey's administrative structure - Urbanization and law: Land development law - The concept of property and property rights	
Week 2	02.03	<b>Lecture: Legislations Concerning Land Development</b> - History - Scope, administrations, and definitions	
Week 3	09.03	<b>Lecture: Plan Types</b> - Types of plans according to the legislations concerning land development - Main purpose and special purpose plans - Plan statements	
Week 4	16.03	<b>Lecture: Planning Process</b> - Plan preparation and its stages - Plan approval and plan changes - Land development program and implementation of plans	
Week 5	23.03	<b>Lecture: Plan Implementation Tools</b> - Implementation of plans and their tools	

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Week 6	30.03	<b>Lecture: Building in The Legislations Concerning Land Development</b> - Construction works and stages - Building standards and conditions of construction according to the legislations concerning land development	
Week 7	06.04	<b>Lecture and Discussion: Problem Areas of Land Development</b>	
Week 8	13.04	<b>MIDTERM WEEK</b>	
Week 9	20.04	<b>Lecture: Managing Construction Projects</b> - Understanding "construction projects" and their "management" - Types of management - Management functions - Managing projects and project organizations	
Week 10	27.04	<b>Lecture: Construction Project Delivery</b> - Types of Project Delivery: Traditional Method (Design/Bid/Build), Construction Management, Owner/Agent, Design/Buid, BOT, etc. - Types of Construction Contracts: Fee based contracts, Fixed price contracts, Incentive contracts etc.	
Week 11	04.05	<b>RAMADAN</b>	
Week 12	11.05	<b>Lecture: Construction Project Planning, Scheduling and Control</b> - Integrated management of time, cost, and resources - Project planning: Breakdown structure - Project planning and programming by using Gantt Charts, Network Diagrams, CPM etc. - Monitoring process and performance measurement	
Week 13	18.05	<b>Lecture: Building Economics</b> - Cost, price and value - Life cycle costing - Cost estimate and control	
Week 14	25.05	<b>Lecture: Digital Construction &amp; BIM</b> - Use of information technology (IT) and information systems in Construction Management - Building Information Modelling	
Week 15	01.06	<b>Lecture: Latest trends/concepts in Project and Construction Management</b>	
Week 16	08.06	<b>Revision</b>	

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**Main Sources**

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- For legal regulations and legislations in Turkey: <https://mevzuat.gov.tr/> \*\* (With leaving certain reservations, for English: <https://www.lawsturkey.com/laws>)

**Additional Sources**

- Aydinoglu, A. C., Bovkir, R., & Il, S. (2022). Modelling and integrating public-law restrictions on urban areas for future cadastral system of Turkey. *Survey Review*, 1-19.
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**Note:** These sources\* are only in Turkish - unfortunately - as well as \*\* the legal regulations and the legislations concerning land development. However, the lectures will be given in English by referring to them. By additional sources, it is aimed to overcome this problem.

**ECTS / WORKING HOUR TABLE**

Activities	Number of Weeks	Duration (Hour)	Working Hours
Duration of the Course (Including Exams: 14 x Total Weekly Course Hour)	14	3	42
Extracurricular Working Hour (Preparatory Work, Review)			
Assignments, Presentations, Internet Studies, etc.			
Mid-term Exam	1	3	3
Final Exam	1	3	3
Working Hours in Total			
Working Hours in Total / 30			
ECTS Credit of the Course			3