

ECTS COURSE INFORMATION FORM

School/Faculty/Institute	Faculty of Arts, Design and Architecture	
Program	B.Sc. in Architecture, B.Sc. in Interior Architecture	Required

Course Code	ARC 102		
Course Title in English	Architectural Design II		
Course Title in Turkish	Mimari Tasarım II		
Language of Instruction	English		
Type of Course	Studio		
Level of Course	Undergraduate		
Semester	Spring		
Contact Hours per Week	Lecture:	Recitation:	Lab: Studio: 12
Estimated Student Workload	298 hours per semester		
Number of Credits	12 ECTS		
Grading Mode	Standard Letter Grade		
Pre-requisites	ARC 101		
Expected Prior Knowledge	One semester of architectural design studio		
Co-requisites	None		
Registration Restrictions	Only Undergraduate Students		
Overall Educational Objective	To develop one's design skills by studying basic structural behaviors and materiality both in rural and urban contexts whilst exploring digital and analogue representation tools and techniques.		
Course Description	This course is based on studying, understanding, exploring and representing architectural design questions critically and conceptually with basic structural knowledge and materiality in urban and rural contexts. Learners are expected to develop design proposals in response to project assignments and develop their representational skills by doing studio exercises and homework. This course also requires working collectively and competently in a group setting as well as working independently.		
Course Description in Turkish	Bu dersin amacı, öğrencilere mimari tasarım konularını, eleştirel ve kavramsal bir bakışla çalışma, anlama, keşfetme ve temsil etme yetilerini kazandırmaktır. Ders, öğrencilerin kırsal ve kentsel bağlamlarda verilen proje ödevleri için temel yapısal ve malzeme bilgisi içeren tasarım önerileri sunmalarına; stüdyo çalışmaları ve ödevler aracılığıyla temsil yetilerini geliştirmelerine dayanır. Ders bireysel çalışmalarla yürütülmesinin yanı sıra grup çalışmalarını gerektirmektedir.		
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: 1. acquire conceptual thinking skills and develop competent design ideas for rural and urban contexts; 2. understand basic structural behaviors, construction and materiality in architectural design; 3. use both digital and analogue tools for representing architectural design ideas.		
Relation to Program Outcomes and Competences: N=None S=Supportive H=Highly Related			

Program Outcomes and Competences	Level	Assessed by
	N/S/H	Exam, HW, Seminar.
1. Ability to read, write and speak effectively in Turkish and English, equivalent to a B2 European Language Passport Level in English.	S	

2. Ability to question and interpret ideas considering diverse points of view; gather and use data, develop concepts related to people, places and the environment, and make individual decisions.	H	
3. Ability to use appropriate graphical methods including freehand and digital drawing techniques, (ECDL advanced) in order to develop ideas in addition to communicate the process of design.	H	
4. Ability to use fundamental principles of architectural design considering the place, climate, people, society as factors, and simultaneously express present principles in relevant precedents.	H	
5. Understanding of architectural principles belonging to global and local cultures shaped by the climatic, technological, socioeconomic, cultural factors, in addition to principles of historic preservation while developing architectural and urban design projects.	H	
6. Understanding the theories and methods used to describe the relationship between human behavior and physical environment; and concurrently understanding different needs, values, behavioral norms, social and spatial patterns of different cultures.	S	
7. Ability to apply various stages of design processes considering the client and user needs, which include space and equipment requirements besides site conditions and relevant laws and standards.	H	
8. Understanding the role of applied research in determining function, form and systems and their impact on human conditions and behavior.	S	
9. Understanding of the basic principles of static and dynamic structural behavior that withstand gravity and lateral forces, in addition to the evolution and applications of structural systems.	S	
10. Ability to apply the principles of sustainability in architectural and urban design projects that aim to preserve the natural and historic resources and provide healthful environments.	H	
11. Ability to apply the fundamental principles of building and safety systems such as mechanical, electrical, fire prevention, vertical circulation additionally to principles of accessibility into the design of buildings.	S	
12. Understanding the basic principles in the selection of materials, products, components and assemblies, based on their characteristics together with their performance, including their environmental impact and reuse possibilities.	S	
13. Ability to produce a comprehensive architectural project from the schematic design phase to design development phase, while integrating structural systems, life safety and sustainability principles.	H	
14. Understanding the principles of environmental systems such as energy preservation, active and passive heating and cooling systems, air quality, solar orientation, day lighting and artificial illumination, and acoustics; in addition to the use of appropriate performance assessment tools.	N	
15. Ability to choose appropriate materials, products and components in the implementation of design building envelope systems.	S	
16. Ability to understand the principles and concepts of different fields in multidisciplinary design processes and the ability to work in collaboration with others as a member of the design team.	S	
17. Understanding the responsibility of the architect to organize and lead design and construction processes considering the environmental, social and aesthetic issues of the society.	S	
18. Understanding the legal to responsibilities of the architect of the architect effecting the design and construction of a building such as public health and safety; accessibility, preservation, building codes and regulations as well as user rights.	H	
19. Ability to understand the ethical issues involved in the design and construction of buildings and provide services for the benefit of the society. In addition to the ability to act with social responsibility in global and local scales that contribute to the well being of the society.	S	
20. Understanding the methods for competing for commissions, selecting consultants and assembling teams, recommending project delivery methods, which involve financial management and business planning, time management, risk management, mediation and arbitration.	N	

Prepared by and Date	İrem Korkmaz 09.03.2020
Semester	Spring 2019-2020

Name of Instructor	Didem Sağlam, Bengi Güldoğan, Beril Sezen, Zelal Rahmanalı, Seda Kurt Şengün, Zeynep Bacınoğlu, Eda Yeyman, Beril Sarısakal	
Course Contents	Week	Topic
	1.	Introduction
	2.	Project I: Speculative Landscapes
	3.	Project I: Speculative Landscapes
	4.	Project II: Tectonics – Field Trip
	5.	Project II: Tectonics – Designing in a Rural context
	6.	Project II: Tectonics – Designing in a Rural context
	7.	Project II: Tectonics – Designing in a Rural context
	8.	Project II: Tectonics – Designing in a Rural context
	9.	Project III: Settlement Narratives – Designing in an Urban context
	10.	Project III: Settlement Narratives – Designing in an Urban context
	11.	Project III: Settlement Narratives – Designing in an Urban context
	12.	Project III: Settlement Narratives – Designing in an Urban context
	13.	Project III: Settlement Narratives – Designing in an Urban context
	14.	Project III: Settlement Narratives – Designing in an Urban context
	15.	Final Assessment Period
	16.	Final Assessment Period
Required/Recommended Readings	Recommended Reading: <ul style="list-style-type: none"> • Abram, David. <i>The Spell of the Sensuous</i>. New York, NY: Vintage Books, 1997 • Allen, E. & Iano, J. <i>Fundamentals of Building Construction</i>. Hoboken, N.J.: John Wiley & Sons, 2004 • Bachelard, Gaston. <i>Poetics of Space</i>. Boston, MA: Beacon Press, 1969 • Barthes, Roland. <i>The Eiffel Tower, and other mythologies</i>. University of California Press, 1997 • Berger, John. <i>Ways of seeing</i>. Vol. 1. Penguin UK, 2008 • Calvino, Italo. <i>Invisible cities</i>. Houghton Mifflin Harcourt, 1978 • Ching, F. <i>Building Construction Illustrated</i>. Hoboken, N.J.: John Wiley & Sons, 2014 • Corner, James, ed. <i>Recovering Landscape</i>, New York, NY: Princeton Architectural Press, 1999 • Hays, K. Michael. <i>Architecture's desire: reading the late avant-garde</i>. MIT Press, 2010 • Holl, S., J. Pallasmaa, & A. Perez-Gomez. <i>Questions of Perception Phenomenology of Architecture A + U Special Issue</i>. July, 1994 • Ivins Jr., W. "Eye and Hand" in <i>Art & Geometry A Study in Space Intuitions</i>. NY, NY: Dover Publications, 1964: 1-9 • Merleau-Ponty, Maurice. <i>Phenomenology of perception</i>. Motilal Banarsidass Publisher, 1996 • Merleau-Ponty, Maurice. "Eye and mind." <i>The primacy of perception</i> 160, 1964 • Mostafavi, M. & Leatherbarrow, D. <i>On Weathering</i>. Boston, MA: MIT Press, 1993 • Pallasmaa, J. <i>The Eyes of the Skin - Architecture and the Senses</i>. Hoboken, NJ: Wiley & Sons, 2005 • Van den Berg, J.H. <i>Things: Four Metabletic Reflections</i>, Pittsburgh, PA: Duquesne University Press, 1970 • Yürekli, Hülya, and Ferhan Yürekli. <i>Mimarlık: bir entellektüel enerji alanı</i>. Yapı Endüstri Merkezi, 2004 • Yürekli, Ferhan. <i>Mimarlık/Mimarlığımız</i>. Yapı Endüstri Merkezi, 2010 	
Teaching Methods	The course involves a combination of: lectures, seminars, presentations, demonstrations, individual critiques, group critiques, site visits, field trips, group and individual discussions.	
Homework and Projects	Learners will work on three separate projects, under the direction of changing studio instructors. All projects will be assessed through studio reviews. Additionally, there will be particular exercises (Alternative Wednesdays) taking place on six days throughout the semester. These exercises will not be a part of the ongoing design projects, but they will support the thinking and representation tools and processes indirectly. Students are required to submit their semester portfolios and sketchbooks at the end of the semester.	
Laboratory Work	-	
Computer Use	Yes	
Other Activities	-	
Assessment Methods	1. Project I	15 points
	2. Project II	25 points
	3. Project III	30 points
	4. Alternative Wednesdays	10 points
	5. Final Submission	20 points

**Course
Administration**

Office: Block A, Didem Sağlam 566

Email: saglamd@mef.edu.tr

Attendance and participation during the entire scheduled class time for studio is mandatory. Students must be engaged in questioning and discussing the work of the class. All students are required to attend and participate in all interim and final studio reviews. All assignments must be submitted at the time and on the date specified.

Academic Dishonesty and Plagiarism: YÖK Disciplinary Regulation.

**ECTS
Student
Workload
Estimation**

Activity	No/Weeks	Hours			Calculation	Explanation
	No/Weeks per Semester (A)	Preparing for the Activity (B)	Spent in the Activity Itself (C)	Completing the Activity Requirements (D)		
Lecture	0	0	0	0	0	A*(B+C+D)
Lab etc.					0	
Midterm(s)	0	0	0		0	A*(B+C+D)
Assingment, Project, Presentation	14	4	12	4	280	A*(B+C+D)
Final Assessment	1	3	12	3	18	A*(B+C+D)
Total Workload					298	
Total Workload/25					11,92	
ECTS					12	