

Course Title	Course Code	Semester	(T+P)	Credit	ECTS
INTRODUCTION TO RESEARCH METHODS IN DESIGN	ARCH1019	1	3+0	5	5
Prerequisite	-				
Language	English				
Course Type	Elective				
Lecturer(s)	Nil AYNALI				
Lecturer(s)/ e-mail	nil.aynali@marmara.edu.tr				
Assistant(s)	-				
Assistant(s)/ e-mail	-				
Aim of the Course	It is aimed to introduce different methods and approaches used in the design process and to provide them with the skills to use them.				
Learning Outcomes	<ul style="list-style-type: none"> • Can determine the methods needed at different stages of the design process. • Can collect data by applying methods. • Can make a recommendation with the help of the data it collects. • Can prototype and test the proposed solution. • Can visualize and present the solution with the help of relevant representational tools. 				
Course Description	Research methods and approaches related to the design process are introduced. These methods and approaches are applied in the field of architecture and at the spatial scale.				
Teaching Methods	<p>With the help of methods; Conducting research in the field, developing solution suggestions and testing the solutions. Practicing and associating theoretical content with all stages of the design process.</p> <p>https://www.canva.com/design/DAHW2kI_aUg/4X682hb39c9Bvrdanvu9KQ/edit</p> <p>https://classroom.google.com/c/ODg4NzExNTA1NDgw</p>				
Assessment Criteria	Midterm Exam Grade				%40
	Participation and performance in weekly submissions (%10) + Mid-term Submission (<i>Group work</i>) (%15) + Midterm Exam (%15) = %40				
	Final Exam Grade				%60
	Participation and performance in weekly submissions (%10) + Final Submission (<i>Group work</i>) (%25) + Final Exam (%25) = %60				
	FINAL GRADE				%100
	Midterm Exam Grade (40%) + Final Exam Grade (60%) = Final (Success) Grade (100%)				

CALENDAR				
W	DATE	TOPICS	BRIEF	AFTER-CLASS WORKS
START OF THE COURSE TERM				
1	29.09.2026		1.1. Presentation: Boğaçhan Dündaralp: "MİMAR OLMAK NE DEMEK?" "Bir (Mimari) Tasarım Süreci Anatomisi" Kitabı Üzerine Konuşmalar	<ul style="list-style-type: none">- Note down the diagram and main themes of the talk for further discussions.
2	06.10.2026		2.1 EVENT: "FRANK GEHRY – ILLUMINATIONS" Conference @ MSGSU	<ul style="list-style-type: none">- Please answer the questions that are subjected to you during the conference and submit to Canva board.
3	13.10.2026		3.1. Introduction of the course 3.2. Presentation: A design and research process: SANCAKLAR MOSQUE 3.3. Classwork: You will be asked to match the diagram that B. Dündaralp drew on the board during his presentation, with the design process you heard in the Sancaklar presentation. <ul style="list-style-type: none">- Please write down the expressions from the talk of Boğaçhan Dündaralp you listened to that stayed with you or that you couldn't quite place, that stuck in your mind, or that you found eye-opening?- Match some points or arguments from the talk and the diagram that B.Dündaralp has drawn on board, with the presentation about Sancaklar Mosque. Use images. (Let us know if you have limited access to Canva, whether due to a lack of a computer, internet access, or any other reason.)	3.4. Classwork submission to Canva <ul style="list-style-type: none">- NEXT WEEK, we will be having a presentation from the designers of timber structures. Until that presentation:<ul style="list-style-type: none">➤ Spend time there for a week – use it, observe how people use it, do some everyday things in that environment. Sit down, eat and drink something, work.➤ When you happen to you do this properly, certain questions will arise: why is this place like this, why was the use of space here conceived in this way, wouldn't it work if it were like that, why were these design decisions made? and so on... Please note down these questions so that you can discuss them with the designers.

4	20.10.2026		<p>4.1. Presentation: 1/1 SPATIAL TIMBER STRUCTURES: A research, design and building process (Ar. Gör. Fatma Zeynep Kızıltaş Mutlu) + Discussion.</p> <p>4.2. Classwork: “ Understanding the place”</p> <ul style="list-style-type: none"> - Documenting the qualities of the place where the timber structures are designed and built. - Developing an understanding about how the structures get embedded with the existing place, how they make the place in its current mode. 	<p>4.3. Classwork submission to Canva</p> <ul style="list-style-type: none"> - Enhance your work with photographs, texts and other freehand representation techniques and submit. - Form groups of three for the next class and write which structure you will build in the table. (12 groups) - Bring the following materials with you (cardboard, soil, grass, wood, balsa, textile, veneer...).
5	27.10.2026		<p>5.1. Presentation: REPRESENTING THE PLACE</p> <ul style="list-style-type: none"> - Different scales, modes and dimensions of representation (2d and 3d) <p>5.2. Classwork:</p> <ul style="list-style-type: none"> - Critics on the works on “Understanding the place” session. - Initiate the 1/5 model of the place: Build the 1/5 scale model of the structures you have experienced. Do not use glue. Representation of the ground, the trees, and the context. 	<p>5.3. Classwork submission to Canva</p> <p>Develop your representations about the place and submit your work.</p>
6	03.11.2026		<p>6.1. Classwork: MODELING-1</p> <p>6.2. Classwork: Development of the proposals</p> <p>Bring design proposals that reveal the potentials of the site and the structure you have come to understand — its technique and its structural constraints and potentials. In doing so, understand the site; depending on which potential you decide to draw on, you may change the location of the structures.</p>	<p>5.3. Classwork: MODELING -2</p> <p>5.4. Classwork: Modeling of the structures and understanding the tectonics</p> <p>Continue working on the model. Represent the site in the most specific way possible. Understand the tectonics of the structures.</p>
7	<p>16.11.2026 -22.11.2026 MIDTERM WEEK</p> <p>Participation and performance in weekly submissions (%10) + Mid-term Submission (Group work) (%15) + Midterm Exam (%15) = %40</p>			

8			1. Presentation: Şeyma Kocadağistan “Thinking Architecture”	
9	24.11.2026		1. Presentation: Ece Doğan “Architectural Interventions that Change Daily Living”	
10	01.12.2026		1. Presentation: Mert Eyiler “Beyond Architecture”	
11	08.12.2026		1. Presentation: Can Kalınsazoğlu “Architectural Competitions and Design Research”	
12	15.12.2026		Student works critics	
13	22.12.2026		Student works critics	
14	29.12.2026		Student works critics	
16.01.2026-20.01.2026 FINAL WEEK Submission + Final Exam (17.01.2026)				

References

Adam Sharr, 2010. Mimarlar için Heidegger. YEM
İhsan Bilgin, 2016. Mimarın Soluğu. Metis.
Peter Zumthor, 2006. Atmospheres: Architectural environments – surrounding objects. Basel: Birkhäuser.
Juhani Pallasmaa, 1996. The Eyes of the Skin. John Wiley & Sons.
Christian Norberg-Schulz, 1979. Genius Loci: Towards a Phenomenology of Architecture. Rizzoli.

ECTS / WORKING HOUR TABLE

Activities	Number of Weeks	Duration (Hour)	Working Hours
Duration of Course (Including Exams: 14 x Total Weekly Course Hour):	14	3	42
Extracurricular Working Hour (Seminar Attendance, Preparatory Work, Review Assignments, Internet Studies, etc.)	14	3	42
Submissions	10	1	10
Midterm	1	3	3
Final exam	1	3	3
Working Hours in Total			100
Working Hours in Total / 30			3,33
ECTS			5