



## ECTS COURSE INFORMATION FORM

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

Course Code	ARC 412
Course Title in English	Representing Istanbul
Course Title in Turkish	Istanbul'un Temsili
Language of Instruction	English
Type of Course	Flipped Classroom
Level of Course	Undergraduate
Semester	Spring
Contact Hours per Week	Lecture: 3      Recitation:      Lab:      Studio:
Estimated Student Workload	116 hours per semester.
Number of Credits	5 ECTS
Grading Mode	Standard Letter Grade
Pre-requisites	ARC 202 or INT 202
Expected Prior Knowledge	None
Co-requisites	None
Registration Restrictions	Only 3 <sup>rd</sup> and 4 <sup>th</sup> year Undergraduate Students
Overall Educational Objective	To explore the city – Istanbul – through different visual, auditory and tactile representation techniques and experiment with analogue/digital, existing and new representation techniques
Course Description	This course focuses on various representation techniques in architecture in order to explore, understand, imagine and decipher the city – Istanbul – and takes representation as a conception, production and communication tool in architecture by bringing together the technical and free hand drawing. Representation tools for architecture and other disciplines such as; sketch, drawing, collage, painting, photography, film, animation, mapping, etc. will be explored so as to discuss the visual representation of the seen, perceived and experienced in architecture and social and intellectual dimension of urban and architectural space in architectural communication.
Course Description in Turkish	Bu ders, kenti – İstanbul'u – keşfetmek, anlamak, hayal etmek ve yorumlamak için mimarlıkta çeşitli temsil tekniklerine odaklanmaktadır ve serbest ve teknik çizimin birlikteliğiyle mimarlıkta temsili anlama, üretme ve anlaşma aracı olarak ele almaktadır. Mimarlıkta görünenin, algılananın ve deneyimlenenin görsel temsili ve mimari iletişimde kentsel ve mimari mekanın sosyal ve düşünsel boyutunu tartışabilmek amacıyla mimarlığın ve diğer disiplinlerin temsil araçları; eskiz, çizim, kolaj, boyama, fotoğraf, film, canlandırma, haritalama, vb. keşfedilecektir.
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: 1. conceptualize and interpret a place, a space, or a system; 2. understand, record and represent through experiential techniques; 3. convert the bodily experience of the city – Istanbul – into an architectural representation; 4. rethink and rediscover the city – Istanbul – through architectural representation; 5. make literature research and develop critical thinking on analogue and digital architectural representation techniques;

**6. understand and research the potentials of producing the public space through working collaboratively in the public space.**

**Relation to Program Outcomes and Competences: N=None S=Supportive H=Highly Related**

**Program Outcomes and Competences**

**Level**

**Assessed by**

**N/S/H**

Reviews, HW,  
Assignment.

1. Ability to read, write and speak effectively in Turkish and English, equivalent to a B2 European Language Passport Level in English.

**S**

Discussions,  
Assignments

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**

Discussions,  
Assignments, HW

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**

Assignments, HW

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.

**S**

Discussions,  
Assignments, HW

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**

Discussions,  
Assignments, HW

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.

**H**

Discussions,  
Assignments, HW

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.

**N**

8. Understanding the role of applied research in determining function, form and systems and their impact on human conditions and behavior.

**S**

Discussions,  
Assignments

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.

**N**

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.

**S**

Discussions

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.

**N**

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**

Discussions,  
Assignments

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.

**N**

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.

**N**

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**

Discussions,  
Assignments

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**

Discussions

18. Understanding the legal responsibilities 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.	<b>S</b>	Discussions
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.	<b>S</b>	Discussions, Assignments, HW
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.	<b>N</b>	

<b>Prepared by and Date</b>	<b>İrem Korkmaz 10.03.2020</b>	
<b>Semester</b>	<b>Spring 2019-2020</b>	
<b>Name of Instructor</b>	<b>Assist. Prof. Dr. Ozan Avci</b>	
<b>Course Contents</b>	<b>Week</b>	<b>Topic</b>
	1.	<b>Visual communication techniques in architecture, theory and practice</b>
	2.	<b>Collage, montage, multiplication, repeating, subtraction</b>
	3.	<b>The coordination of hand, eye, brain, blind contour</b>
	4.	<b>Single line drawing, sketch, drawing on location</b>
	5.	<b>Line, point, texture, representation in ink</b>
	6.	<b>Drawing the movement, visual communication of space and time</b>
	7.	<b>Section, collage-section, layered section</b>
	8.	<b>Plan, layered plan</b>
	9.	<b>Colour, painting, techniques of water colour</b>
	10.	<b>Animation, film, communication techniques through movement</b>
	11.	<b>Mapping, perception, experiencing</b>
	12.	<b>Light, shadow, drawing with pencil, erasing techniques</b>
	13.	<b>Perspective, multiple point of view, subversive perspective</b>
	14.	<b>Detail drawing</b>
	15.	<b>Final evaluations</b>
	16.	<b>Final evaluations</b>
<b>Required/Recommended Readings</b>	<b>Recommended Readings:</b> <b>Juhanni Pallasmaa, The Thinking Hand (Londra: John Wiley and Sons, 2009)</b> <b>John Berger, Berger on Drawing (2007)</b> <b>John Berger, Bento's Sketch Book (2011)</b> <b>Alberto Perez-Gomez, Architectural Representation and the Perspective Hinge (ABD: MIT Press, 2000)</b> <b>Required readings for weekly discussions will be posted on Blackboard.</b>	
<b>Teaching Methods</b>	<b>Reading, discussion and on-site visits and drawings</b>	
<b>Homework and Projects</b>	<b>Relating readings and ideas to the on-site drawings and producing digital superposed images, videos or models</b>	
<b>Laboratory Work</b>	<b>-</b>	
<b>Computer Use</b>	<b>Yes</b>	
<b>Other Activities</b>	<b>Field Trips</b>	
<b>Assessment Methods</b>	<b>Active participation and attendance %10</b> <b>Term works %70</b> <b>Final Submission %20</b>	
<b>Course Administration</b>	<b>Office: Room 514</b> <b>Email: <a href="mailto:avcio@mef.edu.tr">avcio@mef.edu.tr</a></b> <b>Student participation will be essential for the design studio. Attending both reviews including the Final Review are crucial elements in the final grade. Late submissions will not be accepted.</b> <b>80% attendance is compulsory for a successful outcome.</b>	

**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	14	1	3	1	70	A*(B+C+D)
Lab etc.					0	
Midterm(s)					0	A*(B+C+D)
Assingment, Project, Presentation	14	1	1	1	42	A*(B+C+D)
Final Examination	1			4	4	A*(B+C+D)
Total Workload					116	
Total Workload/25					4,64	
ECTS					5	