



ECTS COURSE INFORMATION FORM

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

Course Code	ARC 302
Course Title in English	Architectural Design VI
Course Title in Turkish	Mimari Tasarım VI
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	252 hours per semester.
Number of Credits	10 ECTS
Grading Mode	Standard Letter Grade
Pre-requisites	ARC 301
Expected Prior Knowledge	Five semesters of studio work
Co-requisites	None
Registration Restrictions	Only Undergraduate Students
Overall Educational Objective	To develop complex and hybrid architectural programs in a multi-layered environment through advanced architectural representations while being able to work in collaboration with others as a member of the design team
Course Description	Architectural Design 6 is a studio course where students are expected to develop complex and hybrid architectural programs emerging through theoretical frameworks in a complicated environment. The course is focused on the integration of theory, context and materiality within a spatial organization of different functions. The articulation of component spaces is synchronized with the structural system set up, providing an environment of active experimentation and learning for the participants.
Course Description in Turkish	Mimari Tasarım 6 dersinde öğrencilerin belirli bir teorik çerçeve aracılığı ile çok katmanlı bir ortamda melez ve karmaşık programlar geliştirmeleri beklenmektedir. Ders teori, bağlam ve fizikselliğin bir arada düşünüldüğü bir mekan örgütlemesi çerçevesinde mimari tasarım projesinin geliştirilmesine odaklanır. Farklı kullanım mekanlarının ortak bir bütünde çözülmesi mekan-kurgu-teknoloji kompozisyonu konusunda katılımcılara tecrübe sağlar.
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: 1. initiate complex and hybrid architectural programs in multi-layered environment; 2. apply theoretical research outcomes into an architectural design process; 3. command in selection and use of materials for a specific atmosphere in architectural space; 4. display skills in organization of spaces within an architectural body that is responsive to its physical and social environment; 5. apply advanced architectural representations into design process.

6. engage in a design team.

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

Program Outcomes and Competences

Level

N/S/H

Assessed by

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

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

Project,
Assignment

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.

S

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

Project,
Assignment

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.

S

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

H

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

Project,
Assignment

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.

H

Project,
Assignment

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.

S

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.

S

15. Ability to choose appropriate materials, products and components in the implementation of design building envelope systems.

H

Project,
Assignment

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.

H

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.

H

18. Ability to understand the ethical issues involved in the design and construction of buildings and provide services for the benefit of the society. In

H

addition to the ability to act with social responsibility in global and local scales that contribute to the well-being of the society.		
19. 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	Dr. Kürşad Özdemir	
Course Contents	Week	Topic
	1.	Introduction Site Seeing, potentials of the sites, photos, documentation
	2.	Group Work/Research on Subject
	3.	Group Work/Research on Subject Group Presentations and Submission
	4.	Building Program & Concept
	5.	Building Program & Concept
	6.	Building Program & Concept Mid-Term Reviews
	7.	Progress
	8.	Progress
	9.	Progress
	10.	Progress
	11.	Progress Mid-Term Reviews
	12.	Progress
	13.	Progress-Modelling Feedback
	14.	Final Tuning (Modelling, Layouts) Preliminary Submission
	15.	Final Assessment
	16.	Final Assessment
Required/Recommended Readings	<p>Recommended Reading:</p> <p>Ito, T., (1978) Twenty-First Century Curtains Theory of Fluid Architecture, in Tarzans in the Media Forest, pp. 72-80, AA Publications.</p> <p>Ito, T., (1978) Sendai Mediatheque is a new Dom-ino System, in Tarzans in the Media Forest, pp. 136-140, AA Publications.</p> <p>Pallasmaa, J. (2012) Newness, Tradition and Identity: Existential Content and Meaning in Architecture, AD Magazine, 2012 May.</p> <p>Picon, A. (2012) The Crisis of Scale and Tectonics, Digital Culture in Architecture an Introduction, pp.124-133, Birkhäuser.</p> <p>Sekler, E. (1965) Structure, Construction and Tectonics https://610f13.files.wordpress.com/2013/10/sekler_structure-construction-tectonics.pdf</p>	
Teaching Methods	<p>The course follows the 'Flipped classroom' model, with the in-class studies and studio work.</p> <p>Each Friday at the end of the class students are expected to upload their weekly productions to the shared folder.</p>	
Homework and Projects	1 Group, 1 Individual Presentation, 2 Reviews and 1 Final Review.	
Laboratory Work	-	
Computer Use	Yes	
Other Activities	Field Trips	

Assessment Methods	<p>1. %60 Studio Performance 2. %40 Final Submission</p> <p>Student participation will be essential for the design studio. Attending both reviews including the Final Review are crucial elements in the final grade. 80% attendance is compulsory for a successful outcome.</p>
Course Administration	<p>Office: Block A, Kürşad Özdemir 506 Email: ozdemirku@mef.edu.tr</p> <p>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.</p> <p>80% attendance is compulsory for a successful outcome. Academic Dishonesty and Plagiarism: YÖK Disciplinary Regulation.</p>

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	2	12	1	210	A*(B+C+D)
	Lab etc.					0	
	Midterm(s)	0	0	0		0	A*(B+C+D)
	Assingment, Project, Presentation	2	6	2		16	A*(B+C+D)
	Final Assessment	1	25	1		26	A*(B+C+D)
	Total Workload					252	
	Total Workload/25					10,08	
	ECTS					10	