



ECTS COURSE INFORMATION FORM

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

Course Code	ARC 201
Course Title in English	Architectural Design III
Course Title in Turkish	Mimari Tasarım III
Language of Instruction	English
Type of Course	Studio
Level of Course	Undergraduate
Semester	Fall
Contact Hours per Week	Lecture: Recitation: Lab: Studio: 12
Estimated Student Workload	290 hours per semester.
Number of Credits	12 ECTS
Grading Mode	Standard Letter Grade
Pre-requisites	ARC 102
Expected Prior Knowledge	Two semesters of studio work
Co-requisites	None
Registration Restrictions	Only Undergraduate Students
Overall Educational Objective	To initiate structuring architectural programs, taking physical and social context into consideration followed by creating a coherent architectural design.
Course Description	Architectural Design III is set to create a studio environment where learners understand the spirit and the potential of the project area and use these findings to construct a functional program and the architectural design of a public building. Supported by the accompanying digital communication course, techniques in digital representation of the designs are trained and applied in presentations for studio pin-ups. The studio groups use a common term to start their analysis work. Learners work as teams and individually respectively in the analysis and the main phases, presenting their work to a critical discussion environment in the mid-term and final pin-up sessions.
Course Description in Turkish	Mimari Tasarım 3 dersi, öğrencilerin kamusal bir yapının mimari programını ve tasarımını yerin ruhu ve potansiyelini kavramalarını sağlayarak yapacakları bir ortam yaratır. Ortak bir tema çevresinde gruplar halinde başlayan çevresel analiz çalışması bireysel tasarım projesi çalışması ile devam eder ve yapılanlar iki ara ve bir son sergi ile eleştirel tartışma ortamına sunulur. Dijital İletişim dersi ile yapılan ortak çalışmalar stüdyoda kullanılır, öğrencilerin projenin şematik anlatım – teknik çizim- mekânsal temsil hattında üretimlerini destekler.
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: 1. generate basic architectural programs in urban context; 2. acquire insight and experience in the system aspect of architectural design; 3. demonstrate skills in spatial organization; 4. achieve a good command of digital representation skills in architectural design.

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

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.	N	
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	Fall	
Name of Instructor	Prof.Dr. Şebnem Yücel	
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
	4.	Group Presentations and Submission Site Analysis & Concept
	5.	Site Analysis & Concept
	6.	Site Analysis & Concept Mid-Term Reviews
	7.	Progress
	8.	Progress
	9.	Progress
	10.	Progress Technology Integration
	11.	Progress Technology Integration
	12.	Progress Mid-Term Reviews
	13.	Progress-Modelling Feedback
	14.	Final Tuning (Modelling, Layouts)
	15.	Final Assessment
	16.	Final Assessment
Required/Recommended Readings		
Teaching Methods	The course follows the 'Flipped classroom' model, with the in-class studies and studio work. Each Friday at the end of the class students are expected to upload their weekly productions to the shared folder.	
Homework and Projects	1 Research, 1 Preliminary assignment	
Laboratory Work	-	
Computer Use	Yes	
Other Activities	Field Trips	
Assessment Methods	1. %60 Studio Performance 2. %40 Final Submission	
	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.	

Course Administration

Office: Block A, Şebnem Yücel 526

Email: yucelse@mef.edu.tr

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.

80% attendance is compulsory for a successful outcome. Academic Dishonesty and Plagiarism: YÖK Disciplinary Regulation.

ECTS Student Workload Estimation

Activity	Weeks per Semester (A)	Hours			Calculation	Explanation
		Allocated for the Activity (B)	Spent on the Activity Itself (C)	Remaining for the Activity (D)		
Lecture	0	0	0	0	0	A*(B+C+D)
Lab etc.					0	
Midterm(s)	0	0	0		0	A*(B+C+D)
Project, Presentation	14	3	12	3	252	A*(B+C+D)
Final Submission	2	12	4	3	38	A*(B+C+D)
Total Workload					290	
Workload/25					11,6	
ECTS					12	