ECTS COURSE INFORMATION FORM

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

Course Code	**ARC 402**			
Course Title in English	**Architectural Design VIII**			
Course Title in Turkish	**Mimari Tasarım VIII**			
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	**255 hours per semester.**			
Number of Credits	**10 ECTS**			
Grading Mode	**Standard Letter Grade**			
Pre-requisites	**ARC 401**			
Expected Prior Knowledge	**Seven semesters of studio work**			
Co-requisites	**None**			
Registration Restrictions	**Only Undergraduate Students**			
Overall Educational Objective	**To initiate an architectural design at system level within a holistic and critical approach to the given context**			
Course Description	**The Architectural Design 8 Studio is built on a process of analysis & research & development, where the output is expected to reflect on the final architectural design through a spectrum of social, technical and ethical factors. The studio teams study the specified environment to find the focus of further work. The research on and around the indicated focus provides a basis for the development process of the architectural project. The studio environment is envisaged to be enriched with contributions from the actors of various backgrounds, including arts, technology, sociology and production.**			
Course Description in Turkish	**ARC402 Mimari Proje 8 stüdyosunun öncelikli olarak bir araştırma ve geliştirme sürecine temellenmesi beklenmektedir. Bu sürecin sonucunda beklenen araştırmanın mimari proje çıktısına toplumsal, teknik ve etik boyutta yansımasıdır. Stüdyo belirlenen arkaplanı inceleyerek, odak noktasını oluşturacak yeri ve bileşenlerini ortaya çıkarır. Yapılan etraflı analizler kurulan senaryo dahilinde kentsel ölçekte yer bulan bir mimari tasarım çıktısının oluşumuna katkı sağlar. Stüdyo ortamının süreç boyunca farklı arka planlardan (sanat, toplum, teknoloji, üretim…) aktörlerin katılımı ile desteklenmesi motive edilir.**			
Course Learning Outcomes and Competences	**Upon successful completion of the course, the learner is expected to be able to:** **1. comprehend and reflect the set of contextual factors around the focus of design;** **2. demonstrate skills in working on a sequence of research-focus-development** **3. translate concepts into architectural design;** **4. formulate architectural responses within a critical approach on the given context;** **5. represent ideas with various design and representation tools in architecture.**			
Relation to Program Outcomes and Competences:	**N=None**	**S=Supportive**	**H=Highly Related**	

Program Outcomes and Competences	Level	Assessed by
	N/S/H	Assignment, Presentation, Review.
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.	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	
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.	H	
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	
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	
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.	S	
15. Ability to choose appropriate materials, products and components in the implementation of design building envelope systems.	H	
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. 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.	S	
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	S	

addition to the ability to act with social responsibility in global and local scales that contribute to the well being of the society.		
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.	**S**	

Prepared by and Date	**İrem Korkmaz 10.03.2020**	
Semester	**Spring 2019-2020**	
Name of Instructor	**Burcu Serdar Köknar, Ozan Avcı, Sevince Bayrak, Ilgın Avcı**	
Course Contents	**Week**	**Topic**
	1.	**Introduction of Course & Materials on site**
	2.	**Initial reflections & collective critics session**
	3.	**Work on context (environmental scan)**
	4.	**Work on concept (setting the focus)**
	5.	**Work on concept (focus & translation approach)**
	6.	**Mid-term evaluation session 1 (pin-up & crits)**
	7.	**Work on concept (focus & translation approach)**
	8.	**Seminar + Work on design (technology & translation)**
	9.	**Work on design & focus prototype (technology & translation)**
	10.	**Work on design & focus prototype (technology & translation)**
	11.	**Mid-term evaluation session 2 (pin-up & crits)**
	12.	**Work on design & focus (technology & translation)**
	13.	**Seminar + Work on design (technology & translation)**
	14.	**Work on design & focus prototype (technology & translation)**
	15.	**Final Assessment Period**
	16.	**Final Assessment Period**
Required/Recommended Readings	**Recommended Reading:**	
Teaching Methods	**Collective Studio Activity**	
Homework and Projects		
Laboratory Work	**-**	
Computer Use	**Yes**	
Other Activities	**-**	
Assessment Methods	**1. Performance in Course, (Consistency, Quality of Work, Initiative) 50 Points** **2. Mid-term Assignments 20 Points** **3. Final Assignment 30 Points** **Evaluation over 100 points**	
Course Administration	**Office: Block A Floor 5, 514** **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.** **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	4	4	2	140	A*(B+C+D)
Lab etc.					0	
Midterm(s)	0	0	0		0	A*(B+C+D)
Assingment, Project, Presentation	2	30	1		62	A*(B+C+D)
Final Assessment	1	50	3		53	A*(B+C+D)
Total Workload					255	
Total Workload/25					10,2	
ECTS					**10**	