ECTS COURSE INFORMATION FORM

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

Course Code	**ARC 472**			
Course Title in English	**Understanding Architecture Through Details**			
Course Title in Turkish	**Mimarlığı Detay Üzerinden Anlamak**			
Language of Instruction	**English**			
Type of Course	**Flipped**			
Level of Course	**Undergraduate**			
Semester	**Spring/Fall**			
Contact Hours per Week	**Lecture: 3**	**Recitation:**	**Lab:**	**Studio:**
Estimated Student Workload	**121 hours per semester.**			
Number of Credits	**5 ECTS**			
Grading Mode	**Standard Letter Grade**			
Pre-requisites	**None**			
Expected Prior Knowledge	**None**			
Co-requisites	**None**			
Registration Restrictions	**Only Undergraduate Students**			
Overall Educational Objective	**To understand the relationship between design idea and a fine resolved detail development process and the realization.**			
Course Description	**This elective course aims to encourage students to understand architecture through reading the designed details. Focusing on the translation methodologies and the strategies of a conceptual design to a fine resolved project will be the core of the course.**			
Course Description in Turkish	**Bu seçmeli ders, öğrencilerin mimarlığı tasarlanmış olan detayları üzerinden okuyarak anlama becerisini hedefler. Tercüme metodolojilerine ve kavramsal bir tasarım fikrinin iyi çözülmüş bir projeye dönüşme stratejilerine odaklanmak dersin ana odağıdır.**			
Course Learning Outcomes and Competences	**Upon successful completion of the course, the learner is expected to be able to:** **1. look for the relationship between a specific detail and the design idea;** **2. read the translation methodologies and the strategies of a conceptual design to a fine resolved project** **2. read and analyze a situated and represented detail;** **3. command in selection and use of materials for a specific situation in an architectural solution;** **5. understand the impact of materials on architectural design and a detail resolution.**			

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	
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	Weekly Assignments
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.	S	
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	
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	Weekly Assignments
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	
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.	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	Weekly 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.	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.	S	
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	
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	
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.	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	**Asst. Prof. Dr. Burcu Serdar Köknar 07.02.2019**	
Semester	**Fall 2019-2020**	
Name of Instructor	**Asst. Prof. Dr. Burcu SERDAR KÖKNAR**	
Course Contents	**Week**	**Topic**
	1.	**Introduction to the course and the content The design idea and the formation of details**
	2.	**Representation of the design idea and the details**
	3.	**Materiality, technical and formal Issues**
	4.	**How to read a project, an example**
	5.	**Reading and analyzing two specific projects**
	6.	**Reading and analyzing two specific projects**
	7.	**Workshop**
	8.	**Reading and analyzing two specific projects**
	9.	**Reading and analyzing two specific projects**
	10.	**Reading and analyzing two specific projects**
	11.	**Reading and analyzing two specific projects**
	12.	**Reading and analyzing two specific projects**
	13.	**Reading and analyzing two specific projects**
	14.	**Reading and analyzing two specific projects / Conclusions**
	15.	**Final Assessment**
	16.	**Final Assessment**
Required/Recommended Readings	**Recommended Reading: Weber, D.M. (1991) Beyond Bolts: Architectural Details, Construction, Meaning. Thesis M. Arch, Massachusetts Institute of Technology. Dept. of Architecture. Other readings correspondent to weekly works will be published via Blackboard.**	
Teaching Methods	**After the introduction and general discussions on the generation of the detail and the ways to understand the architecture through details in four weeks, by the investigation of the chosen projects students are expected to search the relation between the design idea and the designed / constructed details and make a critical interpretation on this relationship every week for ten weeks. At the end of the semester each student is expected to submit a self chosen project and make the same research and interpretation with the same methodology made through the semester.**	
Homework and Projects	**14 weeks of pre-class work, 1 presentation, 1 submission**	
Laboratory Work	**-**	
Computer Use	**Yes**	
Other Activities	**-**	
Assessment Methods	**%80 In-Semester Works (active participation before class and during class, In-Class works and presentation, After-Class works) and %20 End of Semester Submission**	
Course Administration	**Office: Burcu Serdar Köknar. Block A, Floor5, 514 Email: koknarb@mef.edu.tr Students are expected to attend %80 of the classes and should submit the works on time. Third party submissions are not accepted. 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	5	3	3	1	35	A*(B+C+D)
Lab etc.	0	0	0	0	0	
Midterm(s)	0	0	0	0	0	A*(B+C+D)
Assingment, Project, Presentation	9	4	3	1	72	A*(B+C+D)
Final Assignment	1	10	1	3	14	A*(B+C+D)
Total Workload					121	
Total Workload/25					4,84	
ECTS					**5**	