

**MARMARA UNIVERSITY SCHOOL OF ARCHITECTURE AND DESIGN**  
**2022-2023 / FALL Semester ARCH 303 Conservation and Design Syllabus**

<b>Course Title</b>	<b>Code</b>	<b>Semester</b>	<b>Hour (T+P)</b>	<b>Credit</b>	<b>ECTS</b>
Conservation and Design	ARCH 303	Fall	1 + 2	2	3
<b>Prerequisites</b>	-				
<b>Language of Instruction</b>	English				
<b>Course Type (Required / elective)</b>	Required				
<b>Course Coordinator</b>	Öğr. Gör. Dr. Esra Kudde				
<b>Assistant</b>	Res. Asst.Furkan Sağdıç				
<b>Instructors /e-mail</b>	Öğr. Gör. Dr. Esra Kudde esrakudde13@gmail.com; esra.kudde@ibb.gov.tr				

<b>Goals</b>	The aim of the course is based on the conservation theory, values and criteria of architectural conservation, legislations and methodology of architectural documentation (survey, analytical studies, reconstitution and restoration projects). It is necessary to get general information about the variety of cultural assets, materials and building techniques in Istanbul. It is also aimed to involve with the thought that conservation is a part of architectural design.	
<b>Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. Learning the meaning and processes of conservation thought</li> <li>2. Learning the national and global conservation principles</li> <li>3. Learning and practising the architectural documentation techniques</li> <li>4. Evaluating a historical monument in detail (original parts / additions)</li> <li>5. Analysing a historical monument according to its period, materials and deterioration</li> <li>6. Understanding the authentic and multi-layered features of cultural areas of Istanbul and Turkey</li> <li>7. Learning analysis techniques in historical environment</li> <li>8. Learning different approaches in architectural design in a historical environment</li> </ol>	
<b>Course Content</b>	The course is composed of two sections including theoretical background of conservation and practices of architectural documentation. The first part includes the conservation terminology, definitions and modern conservation approaches either for the monuments or cultural heritage areas. The second part consists of drawing sketches, survey, analytical studies, research, reconstitution project based on research and analyses, restoration project based on conservation and re-use approaches, reporting and presentation). The readings and practical studies such as drawings are important to develop these skills.	
<b>Assessment Criteria</b>	<b>Assessment Components</b>	<b>No component may have more than 50% weight.</b>
	<b>Mid -term exam</b> *Drawings (%70) + Conceptual (%30)	<b>% 30</b>
	<b>Presentations</b> *First presentation (%30) + Report writing (%30) + Final presentation (%40)	<b>% 30</b>
	<b>Final Exam</b> *Survey (%70) + Reconstitution (%20) + Conservation Proposal (%10)	<b>% 40</b>
	<b>TOTAL</b>	<b>% 100</b>

<b>WEEKLY TOPICS AND PREPARATIONS</b>			
<b>WEEKS</b>	<b>DATE</b>	<b>TOPICS</b>	<b>PREPARATIONS</b>
1. Week	05.10.2022	<p>Theory: Introduction to conservation terminology, values and definitions  Why do we conserve? What is heritage?  How much do we know about Istanbul?  General information about cultural assets and sites of the city, inventory</p> <p>Practice: Practicing drawing base sketches for building survey (On-campus activity) Researching for the building to work on</p>	Basic materials for sketch drawing are necessary.
2. Week	12.10.2022	<p>Theory: General information about range of materials and building techniques of cultural assets according to their historical periods  <b>Survey:</b> Traditional measuring techniques, tools, processes  Introducing drawing set</p> <p>Practice: Measuring of the sketched places on campus, implementation of measuring techniques, proceeding to create survey drawings</p>	Forming groups of 3-4 people, research for a place to survey during the term.
3. Week	19.10.2022	<p><b>Excursion:</b> Süleymaniye World Heritage Site (meeting at Vezneciler Metro Station)  * Visit to different monuments and cultural assets of the area  * Fieldwork: Filling out an inventory form</p>	Comfortable wear is necessary. <u>Forms will be given</u>
4. Week	26.10.2022	<p>Theory: Concepts in conservation - history of architectural conservation  Practice: Evaluation of proposed term projects for groups, discussion about the structures.</p>	Research on term project by groups, sketches and drawings <u>Readings will be given</u>

**MARMARA UNIVERSITY SCHOOL OF ARCHITECTURE AND DESIGN**  
**2022-2023 / FALL Semester ARCH 303 Conservation and Design Syllabus**

5. Week	02.11.2022	Theory: Survey techniques and examples of drawings Practice: Evaluation of plans, sections and facades of the buildings	Survey drawings
6. Week	09.11.2022	Theory: Causes of damage and types of deterioration <b>Analytical Survey:</b> Discussing periods, material characterization and damage assessment Practice: Evaluation of plans, sections and facades of the building	Survey drawings
7. Week	16.11.2022	<b>! Student presentations</b>	<u>Group presentations of 15-20 minutes</u>
<b>MIDTERM WEEK</b>		19.11.2022-27.11.2022	
8. Week	30.11.2022	Theory: Historical research methods and resources, <b>reconstitution</b> methodology Examples and case studies about reconstitution Practice: 1/50 Plans, sections and facades of the building <b>! Last revise for the Survey drawings</b>	Finishing the survey drawings
9. Week	07.12.2022	Theory: Discussing about the authenticity, distinguishing the original/additional elements and parts of a historical building, examples and case studies Practice: Reconstitution research and drawings	Research for reconstitution, drawings
10. Week	14.12.2022	Discussion and revise on student projects <b>! Last revise for Reconstitution drawings</b>	Reconstitution drawings
11. Week	21.12.2022	Theory: <b>Restoration:</b> Conservation methods and implementation techniques Degrees of intervention: Maintenance-repair, restoration, reconstruction Examples and case studies Practice: Restoration/conservation proposals and drawings	Restoration drawings
12. Week	28.12.2022	Theory: <b>Re-use</b> projects, evaluation of principles and case studies Practice: 1/ 50 Plans, sections and facades of the building	Restoration drawings
13. Week	04.01.2023	Theory: Conservation of heritage sites and cultural areas, methods of understanding the current phase and problems of an area, proposals Examples of conservation and design in historical environment Practice: 1/ 50 Plans, sections and facades of the building <b>! First revise on reports</b>	<u>Report writing of 5-7 pages</u> about the term project and studies
14. Week	11.01.2023	Discussion and final assessment <b>! Last revise for reports and drawings (the complete set for the final submission)</b>	Set of drawings, report and poster
<b>FINAL WEEK</b>		16.01.2023-29.01.2023	

**REFERENCES**

- o Ahunbay, Z. (1996). *Tarihi Çevre Koruma ve Restorasyon [Historical Environment Conservation and Restoration]*. İstanbul: YEM Yayın.
- o Ahunbay, Z. (2019). *Kültür Mirasını Koruma İlke ve Teknikleri [Principles and Techniques of Cultural Heritage Conservation]*. İstanbul: YEM Yayın.
- o Ahunbay, Z. (2020). *A World Heritage Site: Istanbul*. T.C. Kültür ve Turizm Bakanlığı, Ankara.
- o Erder, C. (2018) *Tarihi Çevre Algısı*. İstanbul: YEM
- OR
- Erder, C. (1986) *Our Architectural Heritage: From Consciousness to Conservation*. Paris: UNESCO
- o ICOMOS (2008). *Illustrated Glossary on Stone Deterioration Patterns*. France.  
([http://openarchive.icomos.org/id/eprint/434/1/Monuments\\_and\\_Sites\\_15\\_ISCS\\_Glossary\\_Stone.pdf](http://openarchive.icomos.org/id/eprint/434/1/Monuments_and_Sites_15_ISCS_Glossary_Stone.pdf))
- o Jokilehto, J. (2004) [first 1999]. *A History of Architectural Conservation*. Oxford: Elsevier.
- o Larkham P. J. (1996). *Conservation and The City*. London: Routledge  
(<https://unesdoc.unesco.org/ark:/48223/pf0000071433>)
- o Letellier, R., Schmid, W., LeBlanc., F. (2007) *Recording, Documentation, and Information Management for the Conservation of Heritage Places: Guiding Principles*. Los Angeles, CA: Getty Conservation Institute.  
([http://www.getty.edu/conservation/publications\\_resources/pdf\\_publications/recordim.html](http://www.getty.edu/conservation/publications_resources/pdf_publications/recordim.html))
- AND
- Eppich, R., Chabbi, A. (eds.) (2007) *Recording, Documentation and Information Management for the Conservation of Heritage Places: Illustrated Examples*. Los Angeles, CA: Getty Conservation Institute.  
([http://www.getty.edu/conservation/publications\\_resources/pdf\\_publications/recordim\\_vol2.html](http://www.getty.edu/conservation/publications_resources/pdf_publications/recordim_vol2.html))
- o Swallow, P., Watt, D., Ashton, R. (1993). *Measurement and Recording of Historic Buildings*. London.
- o Uluengin B (2002); *Rölöve*. Yapı Endüstri Merkezi Yayınları. İstanbul

**MARMARA UNIVERSITY SCHOOL OF ARCHITECTURE AND DESIGN**  
**2022-2023 / FALL Semester ARCH 303 Conservation and Design Syllabus**

<b>ECTS / WORKING HOUR TABLE</b>			
<b>Activities</b>	<b>Number of Weeks</b>	<b>Duration (Hour)</b>	<b>Working Hours</b>
<b>Duration of the Course (Including Exams: 14 x Total Weekly Course Hour)</b>	15	3	45
<b>Extracurricular Working Hour (Preparatory Work, Review)</b>	15	2	30
<b>Assignments, Presentations, Internet Studies, etc.</b>	8	1,5	12
<b>Mid-term Exam</b>	1	5	5
<b>Final Exam</b>	1	8	8
<b>Working Hours in Total</b>			100
<b>Working Hours in Total / 30</b>			100/30=3,3
<b>ECTS Credit of the Course</b>			<b>3</b>

**EXPLANATIONS**

**MID-TERM EXAM**

**1- Drawing Set (%70)**

The drawing set will include:

- Sketches and photos
- Brief definition and history of the building
- 1/200 site plan and section with surroundings
- 1/50 scale drawings (plans, 2 sections, 4 facades)

**2- Exam (%30)**

Theoretical questions will be asked. One of the questions will be about the article which was given at the 4<sup>th</sup> week. You will be able to write about the aim and content of the article with your own evaluation. It is expected to summarize, paraphrase and interpret the text.

**FINAL EXAM**

Drawing set including SURVEY with analytical studies, RECONSTITUTION and RESTORATION projects will be submitted.

All presentation boards should hold the title part is given as an AutoCAD layout (with school name and logo).

**1- Building Survey Presentation Boards (%70)**

The drawing set will include (in AutoCAD file):

- Sketches and photos
- Brief definition and history of the building
- 1/200 site plan and section with surroundings
- 1/50 scale drawings (plans, 2 sections, 4 facades)
- Floor and ceiling plans (according to the building's features, optional)
- Periodical analysis on survey drawing set
- Material analysis on survey drawing set
- Damage analysis on survey drawing set
- *Supplementary drawings (according to the building's features, optional)*

**3- Reconstitution Project Presentation Boards (%20)**

- 1/100 scale explanatory and supplementary drawings (will be decided during the course)
- Brief report explaining analogy, research findings, text, pictures, etc.

**4- Conservation Proposal Presentation Boards (%10)**

- Brief report and 1/100 scale drawings on the conservation of the monument (details will be decided during the course)

**5-Poster** (size and features will be decided during the course)