

Istanbul Technical University – Department of Architecture

MIM 361E - Architectural Survey and Restoration Studio, 22386

Course Syllabus | 2019-2020 Spring Semester

Course Day and Hour : Friday, 13.30-17.30
Course Room :
Course Credit : 3
Course Web Site :

Course Instructor: Assoc.Prof.Zeynep Eres Özdoğan
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Project Studio Description

Introduction of traditional and optical measurement techniques related to the documentation of historical structures. Practical group work in Taşkılla for sketching and measurement. Preliminary research and documentation studies for the preparation of the survey and restoration project of a selected historical building. Explanation of drawing techniques, indication of deteriorations and different period traces on prepared 1/50 scale surveys. Examination of appropriate intervention types and methods. Development of restitution, restoration and re-use proposals.

Project Studio Structure and Plan

Course Plan

WEEK	DATE	TOPIC
1	14.02.2020	Introduction to the principles of surveying practice and basic surveying methods
2	21.02.2020	Presentation of topics for the term project, formation of working groups
3	28.02.2020	Basic survey practice: measurement of a space with plans and sections
4	06.03.2020	Basic survey practice: measurement of a space with plans and sections
5	13.03.2020	Historical research and control of survey drawings
6	20.03.2020	Control of survey drawings
7	27.03.2020	Mid-term presentation and submission of survey drawings, registration fiches and photo albums
8	03.04.2020	MID-TERM BREAK
9	10.04.2020	Analytical studies – Material and deterioration analysis; chronological analysis
10	17.04.2020	Analogical research for reconstitution
11	24.04.2020	Reconstitution proposals
12	01.01.2020	HOLIDAY
13	08.05.2020	Research of alternatives for the re-use of the historic building
14	15.05.2020	Proposals for the conservation of materials
15	22.05.2020	Evaluation of the interventions and the final report

Recommended Readings

Ahunbay, Z., Kültür Mirasını Koruma İlke ve Teknikleri, YEM Yayın, İstanbul, 2019.

Watt, D., Swallow, P., Surveying Historic Buildings, Donhead Publishing, Trowbridge 1996.

Swallow, P., Watt, D., Ashton, R., Measurement and Recording of Historic Buildings, London, 1993.

Burns, J.A.(ed), Recording Historic Structures, Washington, 1989.

Carbonnell,M., Photogrametry Applied to Surveys of Monuments and Historic Centers, ICCROM, Roma, 1989.

Chitham, R., Measured Drawing for Architects, London 1980.

Project Studio Assessment

The practical group work in Taşkişla, the mid-term presentation and the final submission is jointly evaluated. As this is a group work, personal responsibilities are defined in order to determine and evaluate the student's contribution and active participation in the course.

Term performance 20% + mid-term submission 30% + final submission 50% = Final grade

Contributors

Depending on the buildings to be studied and documented by the students, relevant experts can be invited to the class for a lecture.

Course requirements for final submission

Inventory fiche, including site plan at 1/1000 scale, photograph, historical information, observations, bibliography etc..
Photo album in A4 format (don't forget to indicate where the photos belong to and to add key plans showing the numbers and directions of the photographs)
Report on the historical background of the neighbourhood and the building; detailed description of the building and its state of preservation
Site sketches and drawings
Survey drawings and details (site plan, plans, sections, elevations, details)
Material analysis
Deterioration analysis
Chronological analysis
Restitution drawings (plans, sections, elevations)
Restitution report explaining the design of your reconstitution and including all the documents, drawings and photographs that oriented your decisions
Restoration drawings (plans, sections, elevations, details)
Restoration report explaining the design of your restoration project and the proposals for the new use –if any-, including your main proposals for the repair of the damages

The students are asked to submit:

- all their survey drawings in 1/50 scale (sheet size: A1 format)
- an A4 file containing inventory fiche, photos, reports and site sketches
- a copy of all the drawings in A3 format
- digital copies of all drawings and file content