

Istanbul Technical University – Department of Architecture

## MIM 361E - Architectural Survey and Restoration Studio, 21961

Course Syllabus | 2020-2021 Spring Semester

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

Course Instructor: Asst. Prof. Dr. Işıl Polat Pekmezci
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### Project Studio Description

Introduction of traditional and optical measurement techniques related to the documentation of historical structures. Practical individual work in students' own houses for sketching and measurement. Preliminary research and documentation studies for the preparation of the survey drawing 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. Discussion of restitution, restoration and re-use proposals.

### Project Studio Structure and Plan

Course Plan

WEEK	DATE	TOPIC
1	05.03.2021	Introduction to the content of the course/ Lecture on architectural survey
2	12.03.2021	Preparation of sketches
3	19.02.2021	Survey
4	26.03.2021	Survey
5	02.04.2021	Survey
6	09.04.2021	Control of survey drawings ( <i>submission #1- 1/50 survey drawings</i> )
7	16.04.2021	Assignment of term work subjects/ Introduction to analytical survey
8	23.04.2021	OFFICIAL HOLIDAY
9	30.04.2021	Preparation of elevations
10	07.05.2021	Control of elevation drawings ( <i>submission #2- 1/50 elevation drawing and report</i> )
11	14.05.2021	RAMADAN FEAST
12	21.05.2021	Analytical studies – Material and deterioration analysis
13	28.05.2021	Analytical studies – Material and deterioration analysis.
14	04.06.2021	Reconstitution proposals, preparation of final report
15	11.06.2021	Evaluation of the drawings and 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.**, Photogrammetry Applied to Surveys of Monuments and Historic Centers, ICCROM, Roma, 1989.

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

## Project Studio Assessment

The practical individual work in students' own houses, the term work and the final submission are jointly evaluated.

Mid- term submission-1 (survey drawings) 30% + Mid-term submission-2 (elevation drawing and report) 20% + Final submission (analytical survey on elevation drawing and evaluation report of analyses) 50% = Final grade

## Contributors

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

## Course requirements for final submission

Sketches
Survey drawings
Elevation drawing using photos of historic building
Report including detailed description of the building and its state of preservation
Material analysis
Deterioration analysis
Report of analytical studies

The students are asked to submit:

- all the sketches and autocad drawings (in 1/50 scale) of their own house
- a digital A3 file containing elevation sketches, photos and autocad drawings (in 1/50 scale) of the building studied and a report describing the building, its materials and deteriorations