

ARCH 3007- Conservation Studio I
2026-2027 Fall Semester Syllabus

Instructors:

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Course Description

The course aims to raise interest and develop key practical knowledge and skills in the practice of conservation architecture. It provides fundamental knowledge of the conservation notion and its process through time, the characteristics and nature of cultural assets, their context and evolution, and traditional materials and construction systems.

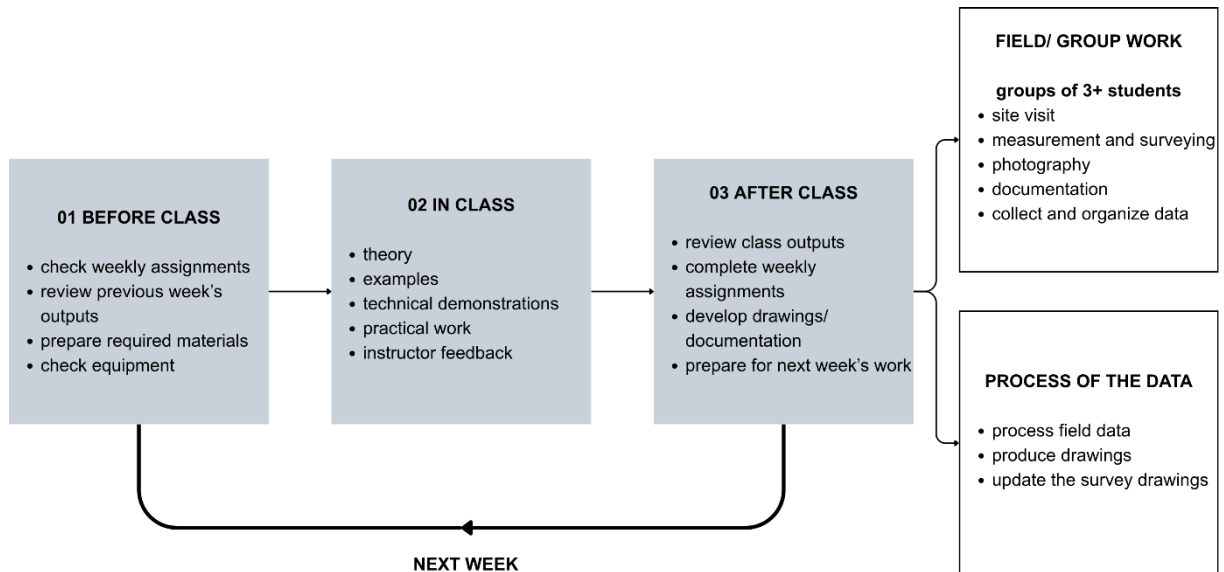
The instruction is predicated on a case study which includes an in situ surveying exercise. Students examine the original characteristics and evolutionary process of the case study, as well as the degradation of materials and structure, through a detailed inventory study before conservation decisions are taken. Theoretical parts address conservation theories and issues to broaden students' knowledge and consciousness regarding the conservation of cultural assets.

Course Structure

The course is structured around two main components: theoretical instruction and practical work. During the first weeks, the course content, project process, and traditional and advanced surveying techniques are introduced through examples and practical exercises. In the following weeks, groups of four or more students carry out surveying and documentation studies on the selected project buildings. The collected data are then evaluated and integrated into the conservation project process through studio-based work.

Throughout the semester, a midterm exam, midterm submission, final jury, and final submission are conducted. Weekly assignments, preparations, and fieldwork are also monitored. The weekly course structure follows the stages of theory, practice, fieldwork, and studio work. Students are expected to complete the necessary preparations before each class and the assigned exercises and submissions after each class.

Weekly Course Cycle



Course Plan

WEEK 1 | 29.09.2026

- **Theoretical:**
 - *Introduction of the course*
 - *Basic concepts & approaches in architectural conservation*
 - *Terminology and primary references*
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WEEK 2 | 06.10.2026

- **Theoretical:**
 - *Values and Criteria of Cultural Assets*
 - *Theoretical information on sketch drawing (plans & sections)*
 - *Introduction of the case study buildings/ cultural assets*
 - **Practical:**
 - *Practical exercise on sketch drawing in the studio (classroom plan / section)*
 - **Equipments Required:**
 - *Millimetric A3 paper*
 - *Pencil / eraser*
 - **Homework:**
 - *Specification of the working teams & selection of case study buildings*
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WEEK 3 | 13.10.2026

- **Theoretical:**
 - *Theory of conservation 1 (philosophy and approaches)*
 - *Technical information on documentation (method of measuring and denotation / method of photo documentation)*
 - **Practical:**
 - *Revision of plan / section sketches of the classroom*
 - *Approval of the working teams & buildings*
 - **Homework:**
 - *Research on the case study (visit / photo / literature review)*
 - *Site plan sketch of the case study*
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WEEK 4 | 20.10.2026

- **Theoretical:**
 - *Theory and philosophy of metrology*
 - *Technical information on traditional measuring techniques*
- **Practical:**
 - *Practical exercise on measuring the classroom & denoting on students' sketches*

- **Homework:**
 - *Measured drawing of the classroom plan (AutoCAD)*
 - *Plan sketch of the case study*
 - *Photo album of the case study*
 - **Equipments Required:**
 - *Meters (5 - 10 m)*
 - *Personal computers*
-

WEEK 5 | 27.10.2026

- **Theoretical:**
 - *Theory of conservation 2 (historical progress / theories)*
 - **Practical:**
 - *Student presentations on the case studies (research & sketch)*
 - **Homework:**
 - *Plan measures of the case study*
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WEEK 6 | 03.11.2026

- **Theoretical:**
 - *ON SITE STUDY*
 - **Practical:**
 - *Revision on the plan measures of the case study*
 - **Homework:**
 - *Measured drawing of the case study (plan AutoCAD)*
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WEEK 7 | 10.11.2026

- **Theoretical:**
 - *World Heritage*
 - *Legal framework of conservation in Turkey*
 - **Practical:**
 - *Revision on the measured plans of the case study*
 - **Homework:**
 - *Preparations for the midterm exam / submission*
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WEEK 8 | 17.11.2026

MIDTERM WEEK

- **Midterm Exam**
 - **Midterm Submission:**
 - Classroom sketches:
Plan (measured)
Section (without measures)
 - Classroom drawings:
Plan (AutoCAD)
 - Case study sketches:
Plan
Site plan
 - Case study photo album
 - Case study drawings:
Plan (AutoCAD)
-

WEEK 9 | 24.11.2026

- **Theoretical:**
 - *Traditional materials and construction techniques / traditional building materials*
 - **Practical:**
 - *Evaluation of the midterm submission*
 - **Homework:**
 - *Section sketches of the case study*
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WEEK 10 | 01.12.2026

- **Theoretical:**
 - *Drawing techniques for sections / elevations / details*
 - *ON SITE STUDY*
- **Practical:**
 - *Evaluation of the case study section sketches*
 - *Practical exercise on section measuring of the case study*
- **Homework:**
 - *Measuring the sections of the case study / sketch & AutoCAD*
- **Equipments Required:**
 - *Section sketches*

WEEK 11 | 08.12.2026

- **Theoretical:**
 - *Deteriorations on Cultural Assets*
 - *Marking deteriorations on measured drawings (examples)*
 - **Practical:**
 - *Evaluation of the sections of the case study*
 - **Homework:**
 - *Measuring the elevations of the case study / sketch & AutoCAD*
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WEEK 12 | 15.12.2026

- **Practical:**
 - *Evaluation of plans / sections / elevations of the case study*
 - **Homework:**
 - *Evaluation of plans / sections / elevations of the case study*
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WEEK 13 | 22.12.2026

- **Theoretical:**
 - *Jury - evaluation of the term study*
 - **Practical:**
 - *Analytical survey*
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WEEK 14 | 29.12.2026

- **Theoretical:**
 - *Revision of the term study*
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04.01.2027- 17.01.2027

FINAL EXAM WEEK

FINAL SUBMISSION

- **Digital Submission:**

- AutoCAD file: (measured drawings of the plan / sections/elevations / details) of the case study
- Analytical survey
- pdf version of the measured drawings
- pdf file: A3 poster demonstrating the work
- word or pdf file: project report
- pdf file: sketches throughout the study
- pdf file: photo album
- Inventory form

- **Hardcopy Submission:**

- A3 folder containing:
 - o AutoCAD printouts
 - o Project report
 - o Sketches throughout the study
 - o Measured survey sketches
 - o Photo album

WEEK	EQUIPMENTS	THEORETICAL	PRACTICAL	HOMEWORK
1 29.09.2026		Introduction of the course Basic concepts & approaches in architectural conservation Terminology and primary references		
2 06.10.2026	Milimetric A3 paper	Values and Criteria of Cultural Assets Theoretical information on sketch drawing (plans & sections) Introduction of the case study buildings/ cultural assets	Practical exercise on sketch drawing in the studio (classroom plan / section)	Specification of the working teams & selection of case study buildings
3 13.10.2026		Theory of conservation 1 (philosophy and approaches) Technical information on documentation (method of measuring and denotation / method of photo documentation)	Revision of plan / section sketches of the classroom Approval of the working teams & buildings	Research on the case study (visit / photo / literature review) Site plan sketch of the case study
4 20.10.2026	Meters (5-10 m) Personal computers	Theory and philosophy of metrology Technical information on traditional measuring techniques	Practical exercise on measuring the classroom & denoting on students' sketches	Measured drawing of the classroom plan (AutoCAD) Plan sketch of the case study Photo album of the case study
5 27.10.2026		Theory of conservation II (historical progress / theories)	Student presentations on the case studies (research & sketch)	Plan measures of the case study
6 03.11.2026		ON SITE STUDY	Revision on the plan measures of the case study	Measured drawing of the case study (plan AutoCAD)
7 10.11.2026		World Heritage Legal framework of conservation in Turkey	Revision on the measured plans of the case study	Preparations for the midterm exam / submission
8 17.11.2026	MIDTERM WEEK MIDTERM EXAM AND MIDTERM SUBMISSION (page 4)			

9 24.11.2026		Traditional materials and construction techniques / traditional building materials	Evaluation of the midterm submission	Section sketches of the case study
10 01.12.2026	Section sketches	sections / elevations / details ON SITE STUDY	Evaluation of the case study section sketches Practical exercise on section measuring of the case study	Measuring the sections of the case study / sketch & AutoCAD
11 08.12.2026		Deteriorations on Cultural Assets Marking deteriorations on measured drawings (examples)	Evaluation of the sections of the case study Deteriorations exercise in class	Measuring the elevations of the case study / sketch & AutoCAD
12 15.12.2026			Evaluation of plans / sections / elevations of the case study	Evaluation of plans / sections / elevations of the case study
13 22.12.2026			JURY evaluation of the term study	Analytical Survey
14 29.12.2026	Revision of the term study			
04.01.2027 17.01.2027	FINAL EXAM WEEK FINAL SUBMISSION (page 6)			

Assessment & Grading Policy

- **In-Term Studies %50**
 - **Homework & Studio Tasks %15**
 - classroom drawings
 - case study research presentations
 - deteriorations exercises
 - **Midterm %35**
 - **Midterm Written Exam %15**
 - **Midterm Project Submission %20**
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- **Final Submission %50**
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Total %100

Recommended References

References recommended to students in accordance with the general framework of the course and the topics and objectives of the studio work:

- Ahunbay, Zeynep. (1996). **Tarihi Çevre Koruma ve Restorasyon**. İstanbul: YEM Yayın.
- Ahunbay, Zeynep. (2019). **Kültür Mirasını Koruma İlke ve Teknikleri**. İstanbul: YEM Yayın.
- Anon, **Handbook of research on emerging technologies for architectural and archaeological heritage**, Hershey, Pennsylvania: IGI Global, 2017.
- Anon, **Preserving and restoring monuments and historic buildings**, UNESCO, Paris, 1972.
- Burns, J.A. (ed), **Recording historic structures**, Washington, 1989.
- Brusaporci, S. (ed.), **Handbook of research on emerging digital tools for architectural surveying, modeling and representation**, Hershey, Pennsylvania: IGI Global, [2015]
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- Jokilehto, Jukka (1999) **A History of Architectural Conservation**. Oxford: Butterworth- Heinemann.
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- Oxley, R., **Survey and repair of traditional buildings: a sustainable approach**, Shaftesbury, Dorset: Donhead, 2003
- Uluengin, Bülent (2002). **Rölöve**, Yapı Endüstri Merkezi Yayınları İstanbul.
- Swallow, Peter, David Watt & Robert Ashton (1993). **Measurement and Recording of Historic Buildings**, London: Donhead Publishing.
- de la Torre, Marta (2002). **Assessing the Values of Cultural Heritage: Research Report**. The Getty Conservation Institute.
- https://www.getty.edu/conservation/publications_resources/pdf_publications/values_cultural_heritage.html
- ICOMOS - Illustrated glossary on stone deterioration patterns
- http://www.icomos.org/publications/monuments_and_sites/15/pdf/Monuments_and_Sites_15_ISCS_Glossary_Stone.pdf
- Watt, D. ve P. Swallow, **Surveying historic buildings**, Donhead Publishing, Trowbridge 1996.