

**RES 507 DESIGN IN ARCHITECTURAL RESTORATION (4+8)8**

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**Course Description:**

This course provides a comprehensive introduction to the principles and practices of architectural restoration. Students will engage in field studies to conduct surveys and create measured drawings. The curriculum includes an in-depth analysis to identify structural and material issues affecting the building's integrity. Additionally, students will examine relevant historical documents to gain insights into the building's past and architectural evolution. The course culminates in a restitution study and the development of a detailed architectural restoration project scheme. Students will present their findings through a combination of drawings and written report.

**Assessment Method:**

Reading assignments and participation to discussions: 10 %

Submission: 10 %

Jury I: 20 %

Jury II: 20%

Final jury: 40 %

**All students are required to attend the field trip and a minimum of 90% of the lectures.**

**Calendar:**

<b>W 1</b>	<b>30.09.2024</b>	Introductory meeting
	<b>02-04.10.2024</b>	Understanding the place; gathering physical evidence: <b>Field survey</b> Preparation of sketches Measurement of the building and its near surroundings Written and photographic documentation Collection of data through visual observations and non-destructive methods to define and diagnose: <ul style="list-style-type: none"><li>○ The architectural characteristics of the building</li><li>○ Building materials, construction technique and structural system</li><li>○ Structural failures and material deteriorations</li><li>○ Former interventions and changes</li><li>○ The values, problems and potentials of the building/site</li><li>○ The presentation of collected data through sketches/photographs/mapping</li><li>○ ...etc</li></ul>
<b>W 2</b>	<b>07.10.2024</b> <b>09.10.2024</b>	Producing scaled drawings
<b>W 3</b>	<b>14.10.2024</b> <b>16.10.2024</b>	Producing scaled drawings <u>Reading assignment: The article will be specified in the previous class</u>
<b>W 4</b>	<b>21.10.2024</b> <b>23.10.2024</b>	Producing scaled drawings <b>Submission: Scaled drawings (soft copy)</b>
<b>W 5</b>	<b>28.10.2024</b>	Understanding the place cont'd. Identification and mapping of spatial characteristics and architectural elements Identification and mapping of building materials, construction technique and

		structural system Identification and mapping of structural failures and material deteriorations
	<b>30.10.2024</b>	
<b>W 6</b>	<b>04.11.2024</b>	Understanding the place cont'd. <u>Reading assignment: The article will be specified in the previous class</u> Identification and mapping of former interventions and changes
	<b>06.11.2024</b>	<b>Site trip to Gülbahçe, Alaçatı and Dalyan (examination of converted mosque buildings)</b>
<b>W 7</b>	<b>11.11.2024</b> <b>13.11.2024</b>	<b>Submission: Corrected scaled drawings and analyses</b> <b>Preliminary Jury I: Survey and Analyses</b>
<b>W 8</b>	<b>18.11.2024</b> <b>20.11.2024</b>	Historical research and comparative study
<b>W 9</b>	<b>25.11.2024</b>	Identification of restitution problems <u>Reading assignment: The article will be specified in the previous class</u> Definition of the phases of the building Structuring the restitution scheme Structuring the sources of restitution Structuring the reliability degrees of restitution
	<b>27.11.2024</b>	
<b>W 10</b>	<b>02.12.2024</b> <b>04.12.2024</b>	Restitution cont'd. <b>Preliminary Jury II: Survey, Analyses, Historical Research, Comparative Study and Restitution</b>
<b>W 11</b>	<b>09.12.2024</b>	Evaluation of the building and its immediate environment Assessing and stating significance Problems and potentials of the building/site
	<b>11.12.2024</b>	Theoretical scope for interventions
<b>W 12</b>	<b>16.12.2024</b>	Re-functioning decision Definition of alternatives for structural reinforcement Definition and diagnosis of decay sources and their control
	<b>18.12.2024</b>	Developing conservation policy
<b>W 13</b>	<b>23.12.2024</b>	Structuring restoration interventions Interventions in site scale Interventions in building scale
	<b>25.12.2024</b>	
<b>W 14</b>	<b>30.12.2024</b> <b>01.01.2025</b>	Restoration cont'd.
	<b>08.01. 2025</b>	<b>Final Jury</b>