

**Vocational School / Architectural Restoration**  
**2024 - 2025 Academic Year**  
**3D DOCUMENTATION TECHNIQUES and ARCHITECTURAL SURVEY**  
**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
3D DOCUMENTATION TECHNIQUES and ARCHITECTURAL SURVEY	MRS2114997	Fall Semester	4+0	4	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Hande YILMAZ				
<b>Name of Lecturer(s)</b>	Lect. Rabiya Yeşim YÜKSEL, Lect. Amine Seyhun ALKAN REİS				
<b>Assistant(s)</b>	Öğr. Gör. Yeşim YükselÖğr. Gör. Esra Yavuz				
<b>Aim</b>	Preparation of inventory sheets of immovable cultural assets according to the standards of the Turkish Ministry of Culture. Preparation of inventory sheets according to K.T.V.K.G.M. standards; surveying of a building using different measurement techniques; determination of destruction according to its structural condition and preparation of the research file.				
<b>Course Content</b>	This course contains; Explanation of the scope of the survey course, Immoveable cultural assets, site, architectural heritage inventory, such as definitions and concepts, conservation principles and criteria within the scope ofDiscussion.,Teaching techniques and methods for the preparation of inventory sheet. LegendsExplanation of the creation systematic. Elaboration of the site boundary, island, parcel and map information, and the study areas in the Istanbul Historic Peninsula site area.Identification, determination of study area boundaries on the map.,Practical realization of the course in the field of inventory work.,Preparation of analysis sheets for inventory work,Presentation of the inventory sheets and research file prepared in the protected area and delivery. ,Explanation of surveying techniques (classical surveying / photogrammetric surveying / surveying techniques with 3D laser scanning devices),Measuring instruments such as level, laser level, steel tape measure, spirit level, profile combindividually in the sample building by using, making survey work, making sketch drawings according to the elevations of the selected oil, making determinations with photographs preparation.,Field work for surveying (plan drawings according to elevations).,Working in the field for surveying (plan drawings according to elevations),Teaching the technique of taking measurements from photographs, Improvement and development on the drawings of the measured structure (sections and viewsremoval).,Determination of damages on the old monument structure and making legends, Improvement and development on the drawings of the measured structure (plan, section, views).,Improvement and development on the drawings of the measured structure to be done.,Preparation of POINT DETAIL drawings by applying the necessary standards of 1/10, 1/5 and 1/2 scale drawing technique, On the drawings of the measured structureimprovement and development.,General exam.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
<b>Teaching Methods</b>					
<b>Assessment Methods</b>					
<b>Lecture Schedule</b>					
Sequenc e	Topics	Preliminary Preparation			
1	Explanation of the scope of the survey course, Immoveable cultural assets, site, architectural heritage inventory, such as definitions and concepts, conservation principles and criteria within the scope ofDiscussion.				
2	Teaching techniques and methods for the preparation of inventory sheet. LegendsExplanation of the creation systematic. Elaboration of the site boundary, island, parcel and map information, and the study areas in the Istanbul Historic Peninsula site area.Identification, determination of study area boundaries on the map.				
3	Practical realization of the course in the field of inventory work.				
4	Preparation of analysis sheets for inventory work				
5	Presentation of the inventory sheets and research file prepared in the protected area and delivery.				
6	Explanation of surveying techniques (classical surveying / photogrammetric surveying / surveying techniques with 3D laser scanning devices)				
7	Measuring instruments such as level, laser level, steel tape measure, spirit level, profile combindividually in the sample building by using, making survey work, making sketch drawings according to the elevations of the selected oil, making determinations with photographs preparation.				
8	Field work for surveying (plan drawings according to elevations).				
9	Working in the field for surveying (plan drawings according to elevations)				
10	Teaching the technique of taking measurements from photographs, Improvement and development on the drawings of the measured structure (sections and viewsremoval).				
11	Determination of damages on the old monument structure and making legends, Improvement and development on the drawings of the measured structure (plan, section, views).				
12	Improvement and development on the drawings of the measured structure to be done.				
13	Preparation of POINT DETAIL drawings by applying the necessary standards of 1/10, 1/5 and 1/2 scale drawing technique, On the drawings of the measured structureimprovement and development.				
14	General exam				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

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**Resources**

"Rölöve", B. Uluengin, Yem Yayınevi  
"Osmanlı Anıt Mimarisinde Klasik Yapı Detayları" B. Uluengin  
"Tarihi Çevre Korumanın Mimarlık Boyutu", Doğan Kuban, Yem Yay