

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BUILDING SURVEY MEASUREMENT and RESTORATION	ARC3259340	Spring Semester	2+3	3,5	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Gülhan BENLİ				
Name of Lecturer(s)	Assist.Prof. Nevin Esin TEKİN BELLİBAŞ, Lect.Dr. Özlem ÖZCAN, Assist.Prof. Tuğba ERDİL DİNÇEL, Prof.Dr. Soner ŞAHİN, Lect. Emel AKAY				
Assistant(s)					
Aim	Historical analysis, damage detection analysis, material analysis and Restoration using the traditional and / or advanced documentation techniques of the historical building groups, which are accepted as "immovable cultural assets" within the framework of the applicable Cultural and Natural Assets Protection Laws in our country and need restoration intervention methods and techniques) Preparation of the project				
Course Content	This course contains; Observation using conventional and / or advanced documentation techniques,Explanation of advanced documentation methods and techniques,Making spatial and structural analyzes in historical buildings,Drawing of survey drawing, measurement and measurement techniques,Materials used in historic buildings,Examination of structural elements in traditional structures, analysis of structure system,Describing the principles and principles of drawing in the project drawings,Disruptions related to usage in historical structures, resolution of illegal attachments,Examples of physical, biological and chemical degradation in historical buildings,Explaining the principles of protection, restoration and restoration within the framework of laws and regulations on protection of cultural and natural assets,Simple restoration principles and methods in the restoration of historical buildings,Basic restoration principles and methods in the restoration of historical buildings,Emergency intervention methods in historic buildings,Applying restoration methods.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Learn how to survey and draw of a historical building by using traditional and / or advanced documentation techniques.			12, 13, 14, 2, 9	E, F, H	
Prepare spatial and structural analyzes of historical buildings			12, 13, 14, 2, 9	E, F, H	
Do damage analysis in historical buildings			12, 13, 14, 2, 9	E, F, H	
Apply the restoration methods			12, 13, 14, 2, 9	E, F, H	
Teaching Methods	12: Problem Solving Method, 13: Case Study Method, 14: Self Study Method, 2: Project Based Learning Model, 9: Lecture Method				
Assessment Methods	E: Homework, F: Project Task, H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Observation using conventional and / or advanced documentation techniques				
2	Explanation of advanced documentation methods and techniques				
3	Making spatial and structural analyzes in historical buildings	on-site inspection of building and taking of survey data			
4	Drawing of survey drawing, measurement and measurement techniques	processing on the survey			
5	Materials used in historic buildings				
6	Examination of structural elements in traditional structures, analysis of structure system	processing on the survey			
7	Describing the principles and principles of drawing in the project drawings	process on the survey			
8	Disruptions related to usage in historical structures, resolution of illegal attachments	process on the survey			
9	Examples of physical, biological and chemical degradation in historical buildings	research on the subject			
10	Explaining the principles of protection, restoration and restoration within the framework of laws and regulations on protection of cultural and natural assets	research on the subject			
11	Simple restoration principles and methods in the restoration of historical buildings	Preparation of the restoration project			
12	Basic restoration principles and methods in the restoration of historical buildings				
13	Emergency intervention methods in historic buildings				
14	Applying restoration methods				
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			
Resources					
To be distributed by the lecturer1. Sonmez N. (1997). Ottoman Period Building and Materials Terms Dictionary, YEM, Istanbul.					
2. Tayla H. (2007). Building Systems and Elements in Traditional Turkish Architecture, TAÇ Foundation, Istanbul.					
3. Uluengin B. (2010). Classical building details in Ottoman Monument Architecture, YEM, Istanbul.					
4. Binan M. (1980). Joinery-Wooden Window, Birsal spring., Istanbul					
5. Binan M. (1985). Wooden Roofs, Birsal Yay., Istanbul.					
6. Melek A., Binan M. (2000). Wooden Doors and Metal Complementary Elements, YEM, Istanbul.					