COURSE SYLLABUS						
Course Title	**Course Code**	**Semester**	**Course Hour/Week**		**Credit**	**ECTS**
Architectural Surveying	ARCH 333	7	**Theory** 3	**Practice** 0	3	5
Course Type	Compulsory Courses	Department Elective	Faculty Elective	University Elective	CoHE (YÖK) Compulsory	Other
		x		x		
Level of Course	Associate Degree (Short Cycle)		Undergraduate (First Cycle)		Graduate / Doctoral (Second / Third Cycle)	
			x			

Language of Instruction	English

Course Instructor(s)	Asst. Prof. Dr. Aliye MENTEŞ YARDIMCI	E-mail: aliye.yardimci@arucad.edu.tr Office: TI OFF20
Course Objectives	This course aims to introduce the major techniques for surveying buildings and their environments to the students. Within this context, basic information about traditional and advanced measurement methods in building surveying, architectural documentation, analysis of cultural elements to be protected, major reasons for the deterioration in buildings, possible repair and restoration process and techniques, and preparation before adaptive reuse of historic buildings are the key topics of discussion.	

Course Learning Outcomes	**Course Learning Outcomes (Students will be able to)**	**Teaching Methods**	**Evaluation Methods**
	Course Learning Outcomes (Students will be able to)	**Teaching Methods**	**Evaluation Methods**
	Define and explain the purpose, principles and context of architectural documentation and building surveying in cultural heritage. (Bloom level: Remembering / Understanding)	Lectures, Classroom discussions	Midterm Exam, Assignment, Final

	Describe and apply traditional and contemporary measurement methods used in the surveying and documentation of historic buildings and their surroundings. (Bloom level: Understanding / Applying)	Lectures, discussions	Midterm Exam, Assignment, Final
	Identify and analyse significant architectural elements, forms of deterioration and methods used to assess the condition of historic buildings. (Bloom level: Analyzing)	Analysis tasks in class, discussion, field survey	Midterm Exam, Assignment, Final
	Apply surveying and documentation methods for repair, restoration and adaptive reuse projects through field observation and measured recording. (Bloom level: Applying)	Lectures, group discussions, field survey	Midterm Exam, Assignment, Final
	Produce accurate architectural survey drawings and documentation of historic buildings and their environments using appropriate recording and measurement techniques. (Bloom level: Creating)	Discussion, field survey	Midterm Exam, Assignment, Final
Course Content	Content of the course includes, measured drawing techniques and surveying techniques to analyze structural condition and deterioration in cultural assets, photography and documentation for architectural survey, analysis of historic buildings to be conserved, preparatory work before restoration, preparation of surveying and restoration projects, reasons of deterioration in historic buildings, restoration techniques and adaptive reuse of historic buildings, restoration and conservation practices. With site visits and assignments, survey of historic buildings will be carried out and measured drawings with reports are produced.		

COURSE OUTLINE/SCHEDULE			
Week	**Topic**	**Implementation (theory/practice)**	**Required Reading, Preliminary preparation**
1	Introduction to the course topics and context	T	Preparation not required.

2	Introduction of the key terminology and different methods in land and architectural documentation.	T	Preparation not required.
3	Architectural survey in conservation and use of cultural assets. Introduction to survey methods and drawing techniques, photography and documentation in architectural survey, traditional and contemporary documentation techniques.	T	Preparation not required.
4	Development of the idea of conservation, cultural assets to be conserved, analysis of historic buildings.	T	Preparation not required.
5	Deterioration in historic buildings, Preparatory work before restoration. Field study-Assignment.	T/P	Preparation required.
6	Surveying techniques Assignment.	T/P	Preparation required.
7	Surveying techniques Assignment.	T	Preparation not required.
8	**MIDTERM**	T	Preparation required.
9	Surveying techniques	T/P	Preparation not required.
10	Field study to test surveying techniques	T/P	Preparation required.
11	Surveying techniques	T/P	Preparation required.
12	Restoration techniques Adaptive reuse of historic buildings Examples and case studies	T	Preparation not required.
13	Surveying techniques Survey and Conservation Examples and case studies Drawing Practices	T	Preparation required.

14	Historical development, institutions, legal framework and procedure in restoration and conservation practices. Key discussions in Survey, Restitution, Conservation and Restoration reports	T	Preparation required.
15	Field study and practice	T/P	Preparation required.
16	Field study and practice	T/P	Preparation required.
17	**FINALS WEEK**	T	Preparation required.

Required Course Material(s) / Reading(s)/ Text Book(s)	Orbasli, Aylin (2008). *Architectural conservation: principles and practice.* Malden, MA: Blackwell Science. **CALL NO: NA105.O73 2008.** Orbasli, Aylin and Vellinga, Marcel (2020). *Architectural regeneration*. Hoboken, NJ: Wiley-Blackwell, ISBN: 9781119340331 **CALL NO: NA2543.S6.A624 2020**
Recommended Course Material(s)/ Reading(s) /Other	The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance, 2013 (https://australia.icomos.org/publications/burra-charter-practice-notes) The Aga Khan Trust for Culture www.akdn.org/AKTC UNESCO World Heritage Convention https://whc.unesco.org/en/list/ ICOMOS https://www.icomos.org/ ENGLISH HERITAGE https://www.english-heritage.org.uk/ Measured and Drawn: Techniques and practice for the metric survey of historic buildings (second edition), English Heritage.

ASSESSMENT		
Learning Activities	**NUMBER**	**WEIGHT in %**
Mid-Term	1	30
Quiz	0	
Assignment	1	20
Project	0	
Field Study	0	

Presentation / Seminar	0	
Studio Practice	0	
Other	0	
Contribution of Final Examination/**Final Project/** Dissertation to the Final Grade	1	50
TOTAL		100

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES

No	**PROGRAMME LEARNING OUTCOMES**	Level of Contribution (1- lowest/ 5- highest)				
		1	2	3	4	5
1	Understand architectural history, theory, and cultural heritage, including the relationship between local/vernacular traditions and global architectural discourse.					X
2	Understand the technical knowledge and the principles of structural systems, building technology, environmental performance, and construction processes as integrated components of architectural design.					X
3	Comprehend sustainability, ecological sensitivity, and climate-responsive design principles and their application across different scales of the built environment.				X	
4	Recognize the legal, ethical, and professional frameworks governing architectural practice, including relevant codes, standards, universal ethical values, and the principles of project management and cost estimation.					X
5	Apply creative and critical design thinking to develop holistic architectural solutions that respond to spatial, environmental, cultural, and social challenges at local, national, and global scales.				X	
6	Produce professional drawings, models, technical documentation, and digital/parametric visualizations that effectively communicate architectural proposals at all stages of design.				X	
7	Conduct systematic, evidence-based research and apply critical evaluation methods to inform and validate design decisions throughout the design process.				X	
8	Integrate interdisciplinary knowledge — spanning art, engineering, ecology, and social sciences — to produce innovative and contextually sensitive design outcomes.				X	
9	Demonstrate professional and ethical responsibility, with sensitivity to environmental sustainability, socio-cultural diversity, and the well-being of communities served by architectural practice.					X
10	Collaborate effectively in interdisciplinary and intercultural teams, demonstrating leadership, communication, and project management competencies in design and professional contexts.				X	

11	Communicate architectural ideas persuasively and clearly in verbal, visual, and written form to professional, academic, client, and public audiences.			X		
12	Engage in continuous self-reflection, lifelong learning, and active contribution to the evolving architectural profession at local, regional, and international levels.				X	

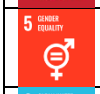
ECTS / STUDENT WORKLOAD				
ACTIVITIES	**NUMBER**	**UNIT**	**HOUR**	**TOTAL (WORKLOAD)**
Course Teaching Hour (X weeks * total course hours)	15	1	3	45
Preliminary Preparation and self-study	5	1	5	25
Mid-Term and Preparation for midterm	1	1	20	20
Quiz	-	-	-	-
Assignment	1	1	6	6
Field Study	3	3	1	9
Final Preparation and self-study	1	1	20	20
Final Examination/ Final Project/ Dissertation	1	1	2	2
Presentation	-	-	-	-
TOTAL WORKLOAD / 25				127/25=5.08
ECTS				**5**

ETHICAL RULES WITH REGARD TO THE COURSE

Plagiarism Disclaimer
Detected and undetected plagiarism is a serious offense at any time and it could have devastating effects on your degree result and future professional lives.

Plagiarism is easy to avoid if you make sure to identify and acknowledge your sources thoroughly and do not copy directly from visual examples, designs, or notes that have in turn been taken word for word from your sources.

	SDG 1: No Poverty	
	SDG 2: Zero Hunger	
	SDG 3: Good Health and Well-Being	

	SDG 4: Quality Education	X
	SDG 5: Gender Equality	X
	SDG 6: Clean Water and Sanitation	
	SDG 7: Affordable and Clean Energy	
	SDG 8: Decent Work and Economic Growth	
	SDG 9: Industry, Innovation and Infrastructure	
	SDG 10: Reduced Inequalities	
	SDG 11: Sustainable Cities and Communities	X
	SDG 12: Responsible Consumption and Production	
	SDG 13: Climate Action	
	SDG 14: Life Below Water	
	SDG 15: Life on Land	
	SDG 16:Peace, Justice and Strong Institutions	
	SDG 17:Partnership for the Goals	

ASSESSMENT DETAILS AND EVALUATION CRITERIA:

Final Grades will be determined according to the Course Learning Activities and Final Examination/ Project/ Dissertation Assessment Details as below, and comply by the Education and Examination Regulation set forth by the University.
The formative assessments take place at key points throughout the year, with summative (final graded) assessment at the end of each academic semester.

Students are required to attend at least 70% of the classes. The maximum allowable absenteeism is 30%.

Midterm Exam (30%), Assignment (20%), Final (50%) marks will be combined to give an overall assessment mark for this lecture.

PREPARED BY	ALİYE MENTEŞ YARDIMCI (Assist Prof Dr) September 2024
UPDATED	September 2026
APPROVED	