COURSE SYLLABUS						
Course Title	**Course Code**	**Semester**	**Course Hour/Week**		**Credit**	**ECTS**
Studio V	ARCH 301	5	**Theory** 2	**Practice** 8	6	9
Course Type	Compulsory Courses	Department Elective	Faculty Elective	University Elective	CoHE (YÖK) Compulsory	Other
	x					
Level of Course	Associate Degree (Short Cycle)		Undergraduate (First Cycle)		Graduate/ Doctoral (Second /Third Cycle)	
			x			

Language of Instruction	English

Course Instructor(s)	Assoc. Prof. Dr. Soad Abokhamis Mousavi	E-mail: soad.mousavi@arucad.edu.tr Office : TI-OFF18
Course Objectives	In architectural design studio 5, the physical realities of the building and the dual effect of design and environment in a wider urban scale context is to be investigated. Emphasis will be placed on a methodology of transformation as an approach to the realization of various spatial organizations, material characteristics of surfaces and enclosure methods, as well as structure and construction technologies. Students awareness will also be directed to the design resolve's tectonics and environmental implications, the proposed design's performance in urban context .	
Course Learning Outcomes	**Students will able to:**	**Teaching Methods** / **Evaluation Methods**
	Apply architectural communication techniques to clearly express and share their design ideas through various media and presentations.	Studio critiques, design presentations, individual guidance / Midterm jury
	Explain, **interpret**, and **compare** nature, cities, and cultural contexts to develop designs that are contextually responsive.	Site visits, case studies, field observations / Midterm
	Produce creative architectural solutions that respond effectively to the site, environment, and urban context**.**	Design studio projects, model, group discussions Studio critiques, / Midterm
	Examine how structures operate, how materials are utilized, and how emerging technologies influence architectural design.	Technical lectures, material Studio critiques, / Midterm and final jury

	Apply various design tools—including sketches, models, computer applications, and diagrams—to illustrate and organize architectural ideas.	Studio critiques, Free hand sketches	Midterm and final jury
	Evaluate issues of climate, energy use, and environmental responsibility in the design process.	Sustainable design lecture, Studio critiques Build environmental analysis	Midterm and final jury
	Integrate independent and responsible design choices through critical thinking and problem-solving skills**.**	Self-directed projects, mentoring sessions, Studio critiques	Final Jury
	Analyze the use of structures, materials, and new technologies to foster innovation in architectural practice**.**	Collaborative studio work, case study analysis Studio critiques	Final Jury
Course Content	Contents will focus on: • Developing skills in technology and architectural design integration. • Integration of building technology components such as structural - environmental systems and building material technology, within a spatial organization of different functions. Active experimentation of structures to articulate the architectural space elements.		

COURSE OUTLINE/SCHEDULE			
Week	**Topic**	**Implementation (theory/practice)**	**Required Reading, Preliminary preparation**
1	Introduction to the Course and design project. Research and Brief Development. Discussions on Concept, Scenario, and Program Development. Contextual Understanding Researching Case Studies (existing examples, user needs, program, and scenarios).	T-P	STUDENT PRESENTATIONS – Case Studies.
2	**SITE VISIT** – Collection of data related to the area and specific site. Site Analysis, Site Synthesis, Vision, idea, concept, Initial design ideas, doodles	T-P	STUDENT PRESENTATIONS (First Draft of Site Analysis)

3	Final Site Analysis presentation Architectural program + Diagrams + Zoning Vision, idea, concept, Initial design ideas, doodles	T-P	Site Model 1.500 (Group work) STUDENT PRESENTATIONS (Site Analysis) + Architectural program
4	Design Development, Layout, 3D sketches, forms. Individual models 1:200	T-P	Individual models 1:200 of the site and the first draft of model
5	Design Development (Plans + Sections + Elevations 1/500; 1/200; Models) Desk Crits. Finalizing the concept and relevant patterns.	T-P	Develop the first sketch model, first sketch plan.
6	Detailed Design Proposals / Presentations	T-P	(Plans + Sections + Elevations 1/500; 1/200)
7	Detailed Design Proposals / Presentations **(Midterm Jury)**	T-P	(Plans + Sections + Elevations 1/500; 1/200; 1/100; Models; 3D Visualizations)
8	After Mid-term group/individual discussions	T-P	Improving the project
9	Design Development and individual discussions	T-P	Improving the project
10	Design Development (Plans + Sections + Elevations 1/200; 1/100; Models) Desk Crits.	T-P	Improving the project (Plans + Sections + Elevations 1/500; 1/200; 1/100; Models; 3D Visualizations)
11	Design Development (Plans + Sections + Elevations 1/200; 1/100; Models) Desk Crits.	T-P	Improving the project (Plans + Sections + Elevations 1/500; 1/200; 1/100; Models; 3D Visualisations)
12	Design Development (Plans + Sections + Elevations 1/200; 1/100; Models; considering materials, structure, and furniture) Desk Crits.	T-P	Improving the project (Plans + Sections + Elevations 1/500; 1/200; 1/100; Models; 3D Visualisations)
13	Design Development	T-P	Improving the project (Plans + Sections + Elevations 1/200; 1/100; Models; considering materials, structure, and furniture) Desk Crits. System Detail drawings 1/50 and/or 1/20
14	Design Development + Envelope design principles.	T-P	Improving the project Plans + Sections + Elevations 1/200; 1/100; Models; considering

			materials, structure, and furniture) Desk Crits. System Detail drawings 1/50 and/or 1/20.
15	Pre-final review: Review of architectural drawings (plans, sections & elevations), architectural models.	T-P	Improving the project Plans + Sections + Elevations 1/200; 1/100; Models; considering materials, structure, and furniture) Desk Crits. System Detail drawings 1/50 and/or 1/20.
16	**FINAL SUBMISSION**		

Required Course Material(s) / Reading(s)/ Text Book(s)	Friedman A. (2021). Fundamentals of sustainable urban design. Cham: Springer. **Call No: NA2542.36. F75 2021** Architects C. (2013). Grafton Architects. China: Moleskine. **Call No: NA989 .G73 2013** Hall, Peter. (2014) Cities of Tomorrow an intellectual history of urban planning and design since 1880. Hoboken, NJ: Wiley-Blackwell. **Call No: REF HT166 .H349 2014** Gehl J., (2011). Life between buildings. Washington, DC: Island Press. **Call No: HT166. G4413 2011** Gibson D., (2009). The wayfinding handbook. New York: Princeton Architectural Press. **Call No: NC1002.S54 G53 2009** Watts A., (2022). Modern environmental design. Basel, Switzerland: Birkhauser. **Call No: NA2850 .W38 2022**
Recommended Course Material(s)/ Reading(s) /Other	Teatri Della Grecia Romana Rorma, Decorazione, Funzioni : La Provincia D'Acaia, Napoli, Di Valentina. Call No: RC SUM DF221.A27 .D526 2013

ASSESSMENT		
Learning Activities	NUMBER	WEIGHT in %
Mid-Term Review	1	40
Quiz	-	-
Assignment	-	-
Project	-	-
Field Study	-	-
Presentation / Seminar	-	-
Studio Practice	-	-
Other (class participation)	-	-
Final Project Submission and Review	1	60
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 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 / Practice Hour(weeks/total course hours)	15	1	10	150
Preliminary Preparation and Self-study	15	1	2	30
Midterm Project	1	1	20	20
Field Study / Project				

Final Project	1	1	25	25
TOTAL WORKLOAD				225
TOTAL WORKLOAD / 25				9
ECTS				9

ETHICAL RULES WITH REGARD TO THE COURSE
Plagiarism Disclaimer Detected and undetected plagiarism is a serious offense at any time and can have devastating effects on your degree results and future professional life. Plagiarism is easy to avoid if you ensure that you properly identify and acknowledge your sources and do not copy directly from visual examples, designs, or notes that have themselves 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	
	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	X
	SDG 10: Reduced Inequalities	
	SDG 11: Sustainable Cities and Communities	X
	SDG 12: Responsible Consumption and Production	X
	SDG 13: Climate Action	X
	SDG 14: Life Below Water	
	SDG 15: Life on Land	

	SDG 16: Peace, Justice and Strong Institutions	
	SDG 17: Partnership for the Goals	X

ASSESSMENT DETAILS AND EVALUATION CRITERIA	
Final grades will be determined based on the course learning activities and the assessment details for the final examination or project, as outlined below, in accordance with the University's Education and Examination Regulations. Students are required to attend at least 70% of the classes. The maximum allowable absenteeism is 30%. **The Mid-term project (40%) and Final project (60%) marks will be combined to determine the** overall assessment mark for this course.	
PREPARED BY	ALİYE MENTEŞ YARDIMCI
UPDATED	September 2024- Soad ABOKHAMIS MOUSAVI (September 2025)
APPROVED	