COURSE SYLLABUS						
Course Title	**Course Code**	**Semester**	**Course Hour/Week**		**Credit**	**ECTS**
Glass in Architecture	ARTS 261		**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.Emre ÇELİKKOL	E-mail :emre.celikkol@arucad.edu.tr Office : IR-OFF02	
Course Objectives	In this course; It is aimed to ensure that glass is used in the right place and form in the building by conveying to the student how glass has affected the building and space design from the past to the present, the current glass technology and the usage forms that this has brought about.		
Course Learning Outcomes	**Students will be able to:**	**Teaching Methods**	**Evaluation Methods**
	Explain how glass has influenced architectural and spatial design from historical to contemporary periods.	Lectures Visual presentation	Midterm and Final Evaluation
	Identify the physical, aesthetic, and functional	Lectures Visual presentation	Midterm and Final Evaluation

	possibilities of glass materials in architecture.		
	Apply knowledge of glass materials to determine appropriate usage, placement, and form in architectural design.	Lectures Visual presentation Analysis of architectural examples	Midterm and Final Evaluation
	Analyze the stages involved in transforming an architectural idea into a realizable project.	Project-based learning Process analysis	Midterm and Final Evaluation
	Explain interdisciplinary collaboration between architects, artists, engineers, and designers within architectural projects.	Interdisciplinary case studies Group discussions	Midterm and Final Evaluation:Written exam
	Evaluate the relationship between art, architecture, and public space through the use of glass. Develop an original architectural or conceptual proposal integrating glass within spatial and public environments.	Visual analysis Group sicussion Critique session Studio projects Conceptual design exercises	Midterm and FinalEvaluation: Written exam
Course Content	The ways and possibilities of using glass materials in building and space design from past to present, types of glass building materials, how glass can be used in the building in the right place and form, structuring the realization process of an idea, how architects include other disciplines in their architectural studies, the use of art and architecture in public spaces will be explained by visual evaluations through examples.		

COURSE OUTLINE/SCHEDULE			
Week	**Topic**	**Implementation (theory/practice)**	**Required Reading, Preliminary preparation**
1	• Introduction about "Architecture"	Theory	Ching F. D. K., Ching F. D. & Eckler J. F. (2013). Introduction to Architecture. Hoboken, New Jersey: Wiley. NA2520 .C48 2013
2	• Introduction about "glass" as a material • Reasons to use glass in architecture • Production techniques of glass material • Starting an Architectural Design Project	Theory	Muschenheim W., . (1964). Elements of the art of architecture. New York: Viking Press. NA204 .M8 1964
3	• Usage and possibilities of glass material in building and space design from the past to present • Continuation of the projects	Theory	Farrelly L., . (2012). The Fundamentals of Architecture. Lausanne ; Worthing: AVA Academia. NA2500 .F37 2012
4	• Greek and Roman Architecture • Byzantine Architecture • Continuation of the projects	Theory	Matt, . (1960). Architecture in ancient Rome. London: Longmans. NA 210 .M33 1960 Hopkins O., . (2014). Architectural styles. London: Laurence King Publishing. NA204 .H67 2014
5	• Gothic Architecture • Continuation of the projects	Theory	Hopkins O., . (2014). Architectural styles. London: Laurence King Publishing. NA204 .H67 2014 Swaan W., . (19841969). The Gothic cathedral. New York: Park Lane. NA5453 .S95

6	• Renaissance Architecture • Baroque Architecture • Continuation of the projects • Repetation before the midterm exam	Theory	Hopkins O., . (2014). Architectural styles. London: Laurence King Publishing. NA204 .H67 2014
7	• Finalizing the projects MIDTERM		Written exam
8	• Industrial Age Architecture • Types of glass as a building material • Use of Glass in Building Mass	Theory	Schilling A., . (2018). Architecture and model building. Basel, Switzerland: Birkhauser. NA2790 .S35 2018 Deplazes A., . (2013). Constructing architecture. Basel: Birkhäuser. TA403.4 .C65 2013
9	• Contemporary Architecture • The Effect of Architectural Trends on the Use of Glass in Design • Starting an Architectural Design Project	Theory	McLeod V., . (2011). Detail in contemporary glass architecture. London: Laurence King Publishing. NA4140 .M4788 2011
10	• Using glass in the right place and form in the building • Continuing the given project	Theory	McLeod V., . (2011). Detail in contemporary glass architecture. London: Laurence King Publishing. NA4140 .M4788 2011
11	• Use of art and architecture in public spaces • Artistic approach to architectural glass • Continuing the given project	Theory	Hopkins O., . (2014). Architectural styles. London: Laurence King Publishing. NA204 .H67 2014
12	• Use of art and architecture in public spaces • Artistic approach to architectural glass • Continuing the given project	Theory	Deplazes A., . (2013). Constructing architecture. Basel: Birkhäuser. TA403.4 .C65 2013

13	• Artistic approach to architectural glass • Continuing the given projects	Theory	McLeod V., . (2011). Detail in contemporary glass architecture. London: Laurence King Publishing. NA4140 .M4788 2011
14	• Continuing the given projects • Finalizing the projects		McLeod V., . (2011). Detail in contemporary glass architecture. London: Laurence King Publishing. NA4140 .M4788 2011
15	FINAL		Written exam

Required Course Material(s) / Reading(s)/ Text Book(s)	McLeod V., . (2011). Detail in contemporary glass architecture. London: Laurence King Publishing. NA4140 .M4788 2011 ISBN: 9781856697408 Ching F. D. K., Ching F. D. & Eckler J. F. (2013). Introduction to Architecture. Hoboken, New Jersey: Wiley. NA2520 .C48 2013 ISBN: 9781118142066 Deplazes A., . (2013). Constructing architecture. Basel: Birkhäuser. TA403.4 .C65 2013 ISBN: 9783038214519 Hopkins O., . (2014). Architectural styles. London: Laurence King Publishing. NA204 .H67 2014 ISBN: 9781780671635 Matt, . (1960). Architecture in ancient Rome. London: Longmans. NA 210 .M33 1960 Muschenheim W., . (1964). Elements of the art of architecture. New York: Viking Press. NA204 .M8 1964 Schilling A., . (2018). Architecture and model building. Basel, Switzerland: Birkhauser. NA2790 .S35 2018 ISBN: 9783035614794 Farrelly L., . (2012). The Fundamentals of Architecture. Lausanne ; Worthing: AVA Academia. NA2500 .F37 2012 ISBN: 9782940411757 Swaan W., . (19841969). The Gothic cathedral. New York: Park Lane. NA5453 .S95 1984 ISBN:090785348X

Recommended Course Material(s)/ Reading(s) /Other	• Elements of Architecture, Koolhaas, R., Boom, I., Littlehampton Book Services, 2018 • Architectural Glass Art, Andrew Moor, 1998 • The Colours of Architecture, Coloured Glass In Contemporaray Buildings, Andrew Moor, 2006

ASSESSMENT		
Learning Activities	**NUMBER**	**WEIGHT in %**
Mid-Term	1	40
Quiz		
Assignment		
Project		
Field Study		
Presentation / Seminar		
Studio Practice		
Other (class participation)		
Contribution of Final Examination/Final Project/ Dissertation to the Final Grade	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	Explains the fundamental knowledge of art history, art theory, and the historical development of art, and interprets artworks within cultural, social, and theoretical contexts.					■
2	Applies the basic elements and principles of art and design, considering color theory and color relationships in two- and three-dimensional visual compositions.				■	
3	Represents objects, figures, and space through drawing in accordance with the principles of proportion, perspective, and light–shadow.			■		
4	Uses different materials, techniques and studio methods in accordance with occupational health and safety rules and sustainable production approaches, and produces original artistic works.	■				
5	Analyzes works of art through a critical perspective within aesthetic, cultural, social and ethical contexts and evaluates them in relation to contemporary art discussions.					■
6	Conducts research in artistic production processes and integrates conceptual thinking into creative practice.				■	
7	Develops both independent and collaborative art projects and gains the ability to plan, implement, and evaluate artistic production processes.			■		
8	Communicates artistic works effectively using written, oral, and visual presentation methods.			■		
9	Uses digital tools, contemporary technologies, and new media opportunities in artistic production processes.	■				
10	Develops interdisciplinary approaches in art production and establishes relationships with different artistic fields.				■	
11	Prepares a portfolio as part of professional development, gains awareness of the professional functioning of the art world and copyright issues, and follows current developments in the field.	■				
12	Designs, produces, and presents an independent graduation project, demonstrating artistic practice in a comprehensive manner.	■				

ECTS / STUDENT WORKLOAD				
ACTIVITIES	**NUMBER**	**UNIT**	**HOUR**	**TOTAL (WORKLOAD)**
Course Teaching Hour (X weeks * total course hours)	14		3	42
Preliminary Preparation and self- study	14		6	84
Mid-Term	1		3	3
Quiz	-		-	-
Assignment	-		-	-
Project	-		-	-
Field Study	-		-	-
Presentation / Seminar	-		-	-
Studio Practice	-		-	-
Final Examination/ Final Project/ Dissertation	1		3	3
Other	-		-	-
TOTAL WORKLOAD				132
TOTAL WORKLOAD / 25				5,28
ECTS				**5**

ETHICAL RULES WITH REGARD TO THE COURSE
Plagiarism Disclaimer Detected and undetected plagiarism is a serious offence 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	√
	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	
	SDG 10: Reduced Inequalities	
	SDG 11: Sustainable Cities and Communities	√
	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, Midterm and Final Examination Details as below, and comply by the Education and Examination Regulation set forth by the University. Mandatory attendance rate: The attendance requirement for all our courses is 70% regardless of health reports. Reports will only be valid in case of not being able to attend the exams. Students who cannot take the exam due to health reasons must submit a report to the faculty secretary within three working days following the exam. Therefore, students who miss 30% or more of the class will automatically fail the class.	
PREPARED BY	Asst. Prof. Dr. Emre ÇELİKKOL
UPDATED	17.10.2025 by Asst. Prof. Dr. Emre ÇELİKKOL
APPROVED	Approved by the department board on 28.04.2026