COURSE SYLLABUS

Course Title	Course Code	Semester	Course Hour/Week		Credit	ECTS
Contemporary Design Approaches	INAD 310	Spring 2024 -25	**Theory** 3	**Practice** 0	3	5
Course Type	Compulsory Courses	Department Elective	Faculty Elective	University Elective	CoHE (YÖK) Compulsory	Other
				√		
Level of Course	Associate Degree (Short Cycle)		Undergraduate (First Cycle)		Graduate/ Doctoral (Second /Third Cycle)	
			√			

Language of Instruction	English

Course Instructor(s)	Asst. Prof. Dr. Olgica Grcheva	E-mail: Olgica.grcheva@arucad.edu.tr Office: TI OFF20
Course Objectives	INAD310 Contemporary Design Approaches is an elective course that explores recent tendencies and methodologies shaping the modern architectural and interior practices. The course focuses on innovative and sustainable design philosophies, such as: Equitable Architecture (designing inclusive spaces that address the needs of diverse user groups; Biophilic Design (integrating natural elements and patterns to enhance well-being and create a stronger connection between people and the environment); Smart Architecture (utilizing advanced technologies and systems to create adaptive, efficient, and responsive built environments); Parametric Design (employing varieties of tools to explore complex forms and optimize performance in architectural projects). Through theoretical discussions, case studies, and hands-on activities, students will develop a deep understanding of these approaches and their practical applications in contemporary design.	
Course Learning Outcomes	By the end of this course, students will be able to: 1. Understand and articulate the key principles of contemporary design methodologies, including equitable architecture, biophilic design, smart architecture, adaptive reuse and parametric design. 2. Analyze and evaluate case studies to identify innovative and sustainable design solutions in modern architectural and interior practices. 3. Apply biophilic and equitable design principles to create inclusive and environmentally connected spaces. 4. Utilize advanced technologies to conceptualize adaptive and efficient architectural designs.	

	5. Synthesize theoretical knowledge and practical skills to develop design proposals that respond to contemporary challenges and user needs. 6. Communicate design concepts effectively through visual, verbal, and written presentations, demonstrating a comprehensive understanding of contemporary design approaches.
Course Content	In this course students will be assigned research tasks on given topics as well as to design conceptual and inclusive spaces, integrating natural elements, utilizing advanced technologies, and employing the contemporary design approaches that will be elaborated through theoretical discussions. Through the research tasks, students will gain critical thinking and practical insights into innovative, sustainable and contemporary design approaches.

COURSE OUTLINE/SCHEDULE			
Week	**Topic**	**Implementation (theory/practice)**	**Required Reading, Preliminary preparation**
1	Overview of the course and introduction	T	None
2	**Lecture 1:** Modernism and important modernist approaches Discussions	T	None
3	**Lecture 2:** Postmodernism & Deconstructivism Discussions	T	**Forming interdisciplinary groups for research**
4	**Lecture 3:** Contemporary Approaches in Design: Smart architecture in smart cities Discussions on ongoing technological developments in design	T	**Assigning topics for research**
5	Presentations on given topic and review	T	Required preliminary preparation
6	Presentations on given topic and review	T	Required preliminary preparation
7	Presentations on given topic and review	T	Required preliminary preparation
8	**MID-TERM EXAM**		
9	**Lecture 4:** Nature and architecture, sustainable approaches and goals Discussions	T	None
10	Discussions (H)		
11	**Lecture 5:** Equitable architecture, universal design Discussions on co-creation, co-living and	T	**Final research assignment** Designing a conceptual house for future in Kyrenia (implementing trending

	co-working concepts and approaches		approaches in design)
12	Final assignment poster presentations	T	Required preliminary preparation
13	Final assignment poster presentations	T	Required preliminary preparation
14	Final assignment poster presentations	T	Required preliminary preparation
15	Final assignment poster presentations	T	Required preliminary preparation
16	Review and Q&A session (H)		
17	Review and Q&A session	T	Explaination provided by the lecturer for the final exam
18	**FINAL EXAM**		

Required Course Material(s) / Reading(s)/ Text Book(s)	• **Guallart V., Guallart V. (2021).** Design for living. New York: Actar Publishers. • **Roth L. M., Clark A. C. R. (2014).** Understanding Architecture. Boulder, Colorado: Westview Press. • **Jodidio P., Özkan S. & Arolat E. (2013).** Emre Arolat Architects. New York: Skira Rizzoli. • **Hays M., K. Michael Hays (2000).** Architecture Theory since 1968. Cambridge, Mass: MIT.
Recommended Course Material(s)/ Reading(s) /Other	https://www.bloomberg.com/news/features/2021-08-18/how-universal-design-creates-inclusive-infrastructure https://www.cca.edu/newsroom/architectural-design-improves-social-equity https://www.iceniprojects.com/co-living-an-important-emerging-uk-trend/ https://www.smartcitiescouncil.com/article/smart-buildings-key-smart-cities https://www.re-thinkingthefuture.com/architectural-community/a5972-7-examples-of-some-natural-material-innovations-in-architecture/ https://thermory.com/blog-and-news/the-six-elements-of-biophilic-design/

ASSESSMENT		
Learning Activities	**NUMBER**	**WEIGHT in %**
Mid-Term Exam	**1**	**40**
Contribution of Final Examination/Final Project/ Dissertation to the Final Grade – Final Exam	**1**	**60**
Final Project	0	0
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	Obtain knowledge of elements of visual and physical language of design, essential design principles, such as form, function, energy, space, nature and society.					x	
2	Understand design concept, its development process and diverse communication and visualization tools, including digital, augmented and virtual realities.					x	
3	Comprehend the history of design and art, their impact on design thinking processes, and the methodologies of design-related research.					x	
4	Explore architecture as a profession, and design process as a holistic system.					x	
5	Produce sketches and technical drawings according to standards and codes and by applying diverse tools.			x			
6	Develop creativity and personal style in interior design and communicate design proposals verbally, visually and textually through a range of media to the client.					x	
7	Conduct research systematically and apply research-based methods and critical thinking in design process and problem solving.					x	
8	Produce models and conduct cost estimation of interior design projects, along with the technical documentation for projects realization.	x					
9	Be engaged in continuous self-development, lifelong learning and architecture professional practice development after graduation.	x					
10	Demonstrate mastery of innovative design tools, techniques and concepts in architecture and proficiency in selection and use of relevant design technologies.					x	
11	Operate as reflective practitioner and validate a coherent and critical understanding of the various theoretical, historical, cultural, contextual and ecological dimensions impacting on their practice, and their relationship to the intended audience.				X		
12	Apply a range of professional and self-management skills and demonstrate proficiency in researching, observing, investigating and critically evaluating information and concepts from a wide range of relevant sources.					x	

ECTS / STUDENT WORKLOAD				
ACTIVITIES	**NUMBER**	**UNIT**	**HOUR**	**TOTAL (WORKLOAD)**

Course Teaching Hour theory and practice (X weeks * total course hours)	16	1	3	48
Mid-Term (including preliminary preparation and self- study)	1	1	20	20
Presentations	1	1	10	10
Final Examination & Final Project				
Final Exam (including preliminary preparation and self- study)	1	1	30	30
Final Project (including preliminary preparation and self- study)	0	0	0	0
TOTAL WORKLOAD				**118**
TOTAL WORKLOAD / 25				4.72
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.

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.	
PREPARED BY	Asst. Prof. Dr. Olgica Grcheva (11.02.2025)
UPDATED	
APPROVED	