COURSE SYLLABUS						
Course Title	**Course Code**	**Semester**	**Course Hour/Week**		**Credit**	**ECTS**
Green Cities	INAD 327	1	**Theory** 3	**Practice** 0	3	5
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)	Sn.inst. Marjan Alikhanzadeh	E-mail: marjan.alikhanzadeh@arucad.edu.tr Office: ES/OFF4

Course Objectives

By the end of this course, students will be able to:

- Understand the theoretical foundations of landscape planning as an ecological, cultural, and design-oriented process.
- Develop knowledge of landform shaping, grading, and topographic design to accommodate human use while respecting natural systems.
- Explore the integration of circulation systems, vegetation, water management, and ecological functions into landscape design.
- Critically analyze visual, spatial, and sensory aspects of landscapes to enhance legibility, character, and richness of experience.
- Apply participatory and inclusive approaches to landscape planning, addressing community needs and stewardship.
- Evaluate resilience, adaptability, and governance models for sustainable public space management.
- Synthesize concepts of ecology, technology, and urban morphology into holistic and future-ready landscape planning strategies.

Students will able to:	**Teaching Methods**	**Evaluation Methods**
Define and explain the fundamental principles of landscape planning within urban, ecological, and cultural contexts.	Direct instruction technique Discussion Video presentation	Midterm exam Presentation Final submission
Interpret, analyze, and produce contour plans,	Direct instruction technique	Midterm exam Presentation

Course Learning Outcomes	grading strategies, and topographic models that demonstrate spatial and technical accuracy.	Field study	Final submission
	Plan and design circulation systems, recreational facilities, and planting strategies that integrate functionality, aesthetics, and ecological balance.	Direct instruction technique Field study	Midterm exam Presentation Final submission
	Analyze and evaluate landscapes for legibility, orientation, and spatial hierarchy to enhance user experience and comprehension.	Direct instruction technique Discussion	Midterm exam Presentation Final submission
	Apply water-sensitive and climate-adaptive design strategies to strengthen resilience against floods, drought, and heat impacts.	Direct instruction technique Discussion	Midterm exam Presentation Final submission
	Synthesize landform, vegetation, water, and cultural identity into cohesive and innovative landscape design proposals.	Direct instruction technique Discussion Filed study Brainstorming	Midterm exam Presentation Final submission
	Incorporate user participation, collaboration, and stewardship principles in the planning and management of landscapes.	Direct instruction technique Discussion	Midterm exam Presentation Final submission
	Assess, compare, and evaluate the robustness, flexibility, and appropriateness of landscape designs across diverse contexts.	Direct instruction technique Discussion	Midterm exam Presentation Final submission
	Anticipate future urban and ecological challenges and propose innovative, adaptive approaches to	Direct instruction technique Discussion Brainstorming	Midterm exam Presentation Final submission

	landscape planning and design.		
Course Content	This course introduces students to the programmatic, artistic and technical aspects of landform and topographic adjustments to accommodate various human uses. Topics include pedestrian and vehicular circulation , conservation and addition of plant materials, movement of water, recreational facilities and creation of attractive views and blocking the unpleasant ones. Sculptural landforms will be emphasized through the use of topographic plans, sections and contour models. The course stresses the shaping and coordination of ideas from the initial concept to the complete design product.		

COURSE OUTLINE/SCHEDULE

Week	Topic	Implementation (theory/practice)	**Required Reading, Preliminary preparation**
1	• Introduction to the course and syllabus.	T	Preparation is not required.
2	Landscape Planning in Urban Contexts • Planning definition • Landscape as ecological, cultural, and design process. • From landform shaping to public space & urban management.	T Lecture	Preparation is not required.
3	Landform & Topography Basics • Contours, grading, slopes, and water flow. • Technical foundations of shaping land for human use.	T Lecture	See the required reading.
4	Circulation Systems in Landscape & Urban design • Pedestrian & vehicular circulation. • Accessibility & permeability across scales.	T Lecture	See the required reading.
5	Variety & Program in Open Space • Planting, recreation, ecological layering. • Variety in use & spatial experience	T Lecture	See the required reading.

6	Legibility & Orientation in Landscapes • Views, landmarks, edges, pathways. • Legible topography & open space systems.	T Lecture	See the required reading.
7	Robustness & Flexibility in Space Use • Landscapes that adapt over time. Public space robustness vs. fragile design.	T Lecture	See the required reading.
8	Water Systems & Blue-Green Infrastructure • Water-sensitive design in landscapes. • Rainwater management, wetlands, ecological corridors. & **MIDTERM EXAM**	T Lecture	--------
9	Visual Appropriateness & Place Character • Screening undesirable views, framing attractive ones. • Urban character, landscape context.	T- Lecture Presentaition	See the required reading.
10	Richness: Sensory & Ecological Qualities • Vegetation, water, sound, texture, biodiversity. • Enriching landscape experience.	T Lecture Presentaition	See the required reading.
11	Personalisation, Participation & Stewardship • Users shaping spaces (ephemeral and tactical urbanism). • Community involvement & personalization of landscape.	T Lecture Presentaition	See the required reading.
12	Public Space Governance & Management • Maintenance and management models.	T Lecture Presentaition	See the required reading.

	• Role of institutions, communities, partnerships.		
13	Climate Adaptation & Resilient Landscapes • Water-sensitive design, green infrastructure. • Designing for flood, drought, and heat resilience.	T Lecture Presentaition	See the required reading.
14	Urban Morphology & Spatial Networks • Streets, blocks, and open space systems. • Landscape as urban structure.	T Lecture Presentaition	See the required reading.
15	Future Directions in Landscape & Urban Design • Smart landscapes & technology. • Inclusive and just public spaces. • Resilient cities: merging ecology, society, and design.	T Lecture Presentaition	See the required reading.
16	**FINAL EXAM**	-----	------

Required Course Material(s) / Reading(s)/ Text Book(s)	Zimmermann, A. (2015). *Planning landscape*. Birkhäuser. **CALL NUMBER: SB472.45 .Z561 2015** Yu, K. (2020). *Landscape architecture frontiers*. Higher Education Press. **CALL NUMBER: SB472.7 .E265 2020** Adams, D., & Tiesdell, S. (2013). *Shaping places*. Routledge. **CALL NUMBER: REF HT371 .A33 2013**
Recommended Course Material(s)/ Reading(s) /Other	Bentley, I., Alcock, A., Murrain, P., McGlynn, S., & Smith, G. (1985). *Responsive environments: A manual for designers. Architectural Press*. Carmona, M. (2021). *Public places, urban spaces: The dimensions of urban design* (3rd ed.). Routledge. https://doi.org/10.4324/9781315158457

ASSESSMENT		
Learning Activities	**NUMBER**	**WEIGHT in %**
Mid-Term	1	40
Quiz	0	
Assignment	0	
Project	0	
Field Study	0	

Presentation	1	20
Studio Practice	0	
Other	0	
Contribution of Final Examination/Final Project/ Dissertation to the Final Grade	1	40
TOTAL		100

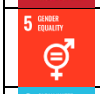
No	PROGRAMME LEARNING OUTCOMES	Level of Contribution (1 = lowest / 5 = highest)				
		1	2	3	4	5
KNOWLEDGE *Understanding and knowing — theoretical, historical, and conceptual foundations*						
1	Demonstrate comprehensive knowledge of visual and spatial design language, encompassing fundamental principles of form, function, space, material, ergonomics, ecology, and society, as well as technical knowledge, in the production of human-centered interior environments.		**X**			
2	Critically engage the history of interior architecture, art, and design, drawing on research methodologies to inform culturally sensitive and contextually grounded design practice.	**X**				
3	Understand interior architecture as a holistic and interdisciplinary profession, articulating the relationship between spatial design, architecture, art, and environmental stewardship.				**X**	
4	Understanding of theoretical, historical, cultural, ecological, and universal accessibility dimensions of interior design to inform responsible, inclusive, and environmentally conscious spatial decision-making.					**X**
SKILLS *Doing and making — technical, creative, and methodological abilities*						
5	Develop and communicate design concepts through diverse visualization tools — including hand drawing, and digital modeling — demonstrating competency in contemporary representational technologies for professional design communication.			**X**		
6	Produce technically proficient sketches, technical drawings, and documentation according to professional standards, applying both analog and digital tools in spatial problem-solving.				**X**	
7	Apply systematic, research-based critical thinking in design processes and problem-solving, addressing contemporary spatial and ergonomic demands with research-driven design strategies.				**X**	
8	Produce design models, cost estimations, and technical documentation for project realization, incorporating sustainable design strategies and adaptive reuse methodologies for heritage and contemporary environments.			**X**		
COMPETENCIES *Professional behavior and attitude — ethical, creative, and lifelong practice*						
9	Articulate a personal creative vision and present design proposals verbally, visually, and textually across a range of media, upholding the			**X**		

	high standards of creative excellence, considering legal and ethical practices.					
10	Demonstrate commitment to continuous self-development, lifelong learning, and professional ethics, contributing to the cultural and intellectual enrichment of local, regional, and global communities.		**X**			
11	Demonstrate proficiency in innovative design tools and emerging technologies, integrating traditional craftsmanship with contemporary digital methods to expand the boundaries of interior spatial design.		**X**			
12	Collaborate effectively in interdisciplinary and intercultural teams, demonstrating leadership, communication, and project management competencies in design and professional contexts.		**X**			

ECTS / STUDENT WORKLOAD				
ACTIVITIES	**NUMBER**	**UNIT**	**HOUR**	**TOTAL (WORKLOAD)**
Course Teaching Hours (X weeks * total course hours)	15	1	3	45
Preliminary Preparation and self- study				
Mid-Term	1	1	30	30
Quiz				
Assignment				
Project				
Field Study				
Presentation	1	1	20	20
Studio Practice				
Final Examination/ Final Project/ Dissertation	1	1	30	30
Other				
TOTAL WORKLOAD				125
TOTAL WORKLOAD / 25				5
ECTS				5

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	x

	SDG 4: Quality Education	
	SDG 5: Gender Equality	
	SDG 6: Clean Water and Sanitation	
	SDG 7: Affordable and Clean Energy	x
	SDG 8: Decent Work and Economic Growth	
	SDG 9: Industry, Innovation and Infrastructure	x
	SDG 10: Reduced Inequalities	x
	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	x
	SDG 16:Peace, Justice and Strong Institutions	x
	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%. **Midterm 40%** **Presentation 20%** **Final 40%**	
PREPARED BY	Sn.Instr. Marjan Alikhanzadeh
UPDATED	22th September 2025
APPROVED	