

Main information	Name of subject, code and the number of credits	DSN 403 Exterior and Landscape Design, 6 ECTS
	Department	Architecture and design department
	Program (bachelors, master)	Bachelors
	Academic semester	Fall semester of the 2024/2025 academic year
	Teacher	Leyla Huseynova PhD student
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	Telephone:	
	Lecture Room/Table	Neftchiler campus,
	Counseling hours	At times agreed upon with students
Prerequisites	-	
Language of instruction	English	
Type of subject (compulsory, selective)	Compulsory	
Lessons and additional literature	<p>G.M. Alizade "Architectural theory and construction practice in Azerbaijan". Textbook. Baku-1986</p> <p>N.A. Aghayeva, A.K. Sharifova "Modeling" Methodological materials. Baku-2020</p> <p>Şevki Vanlı Architecture Foundation "Ten books on architecture - Vitruvius" 2021</p> <p>Karl B. Lohmann -Fundamentals of Landscape Architecture</p> <p>A.A. Hasanova, Theory of landscape architecture - 2016</p> <p>Y.E. Hajiyeva, R.M. Hasanov - Basics of design. Baku, 2008.</p> <p>"Landscape Architecture: A Manual of Environmental Planning and Design" by John Ormsbee Simonds, 2006 (4th Edition)</p>	
Description of the course	<p>Studying a subject by a student: course in exterior and landscape design typically encompasses a range of topics that blend theory with practical skills. Students start by learning fundamental design principles such as balance, proportion, scale, and unity, which are essential for creating harmonious outdoor spaces. They also study plant selection and placement, focusing on choosing suitable plants for various climates and soil conditions, and arranging them to enhance both beauty and functionality. The course covers hardscape elements, including the design and installation of features like patios, walkways, and walls, as well as water elements. Site analysis is another crucial component, teaching students how to evaluate the physical characteristics of a site, including its topography, climate, and existing vegetation. Sustainable practices are emphasized, with a focus on environmentally-friendly techniques like rain gardens, native planting, and water conservation. Additionally, students are introduced to design software, such as CAD (Computer-Aided Design), for creating and visualizing their designs. Finally, the course provides an overview of construction and</p>	

	<p>installation processes, including material selection and project management, to ensure that designs are effectively realized.</p>
<p>Course objectives</p>	<p>Purpose of the subject: The purpose of a course in exterior and landscape design is to prepare students to create beautiful, functional, and sustainable outdoor spaces. It teaches them to apply design principles to enhance aesthetic appeal and usability, while also focusing on environmental sustainability. Students learn to analyze site-specific conditions, use design software, and manage projects from concept to completion, ensuring that their designs are both effective and eco-friendly.</p>
<p>Results of teaching</p>	<p>In the process of general teaching of the subject, students: they should know:</p> <p>Design Fundamentals: Core principles like balance, proportion, rhythm, and unity, and how to apply them to outdoor spaces to create visually appealing and functional designs.</p> <p>Plant Identification and Care: Knowledge of different plant species, including their growth habits, environmental needs, and how to select and place them effectively.</p> <p>Hardscape Materials and Techniques: Understanding of various materials (e.g., pavers, bricks, stone) and construction techniques for elements like patios, pathways, and walls.</p> <p>Site Analysis: Skills to assess and interpret site conditions, such as soil type, drainage, topography, and climate, to inform design decisions.</p> <p>Sustainable Design Practices: Principles of environmentally responsible design, including water management, soil conservation, and the use of native plants and sustainable materials.</p> <p>Design Software Proficiency: Ability to use design tools and software, such as CAD, for creating and presenting design plans.</p> <p>Project Management: Basics of managing a design project from initial concept through to completion, including budgeting, scheduling, and coordinating with contractors.</p> <p>they have to be able to:</p> <p>Apply Design Principles: Create outdoor spaces that effectively use design principles like balance, proportion, and harmony to achieve visually appealing and functional results.</p> <p>Select and Place Plants: Choose appropriate plants based on climate, soil, and design goals, and arrange them in ways that enhance both the beauty and functionality of a space.</p> <p>Design Hardscape Elements: Plan and design hardscape features such as patios, pathways, and walls, ensuring they complement the overall design and meet practical needs.</p> <p>Conduct Site Analysis: Assess and interpret site characteristics, including topography, soil, and climate, to make informed design decisions that are suited to the specific conditions of the site.</p>

	<p>Implement Sustainable Practices: Integrate environmentally-friendly design practices, such as water conservation, soil management, and the use of native plants, into their designs.</p> <p>Utilize Design Software: Use tools like CAD to create detailed, accurate design plans and visualize them in 2D or 3D formats.</p> <p>Manage Projects: Oversee the implementation of their designs, including budgeting, scheduling, and coordinating with contractors or construction teams to ensure successful project completion.</p>		
Teaching methods	Lecture		+
	Group discussion		+
	Practical tasks		+
	Analysis of a practical issue		+
Marks	Components	History/last term	Percent (%)
	Attendance		5
	Assignment		10
	Midterm exam		30
	Activity		15
	Final exam		40
	Final		100
Rules (Teaching policy and behavior)	<p>Lecture, seminar, presentation</p> <p>Lectures on Exterior and Landscape Design will be given by the subject teacher, and lectures and assignments will be processed in relevant design programs. Tasks will be performed based on the selected topic. In addition to discussing the solution of the tasks with the teacher, the students will also put their theoretical knowledge into practice.</p> <p>Students will present their individual projects at the end of the course.</p> <p>It will be evaluated in the midterm (30 points) and final (40 points) exam. The project must be submitted by the student. The purpose of this assignment is to teach future designers the skills of presenting, doing a little research in a short period of time, and designing.</p> <p>A review of the project that the student worked on during the semester is considered. During the review of the project, the area analysis, idea solutions, interior planning, front and side facade solutions and cross-section of the project must have been completed.</p> <p>The presentation must be submitted during the months of September and October before the midterm exam. No additional time is allowed to submit after the last week of classes.</p> <p>Note: In accordance with the purpose of the subject, the projects must be prepared individually by the student in a graphic design program, without plagiarism.</p> <p>Homework assigned to the student will be checked each lesson and 1 point will be given for each completed task. At the end of the semester, this will be evaluated as a minimum of 0 and a maximum of 10 points.</p> <p>Exception: If the student informed the dean of the faculty in advance that he/she will not be able to participate in the handover phase of the work due to</p>		

valid reasons (related to family situation and health), or if he/she has submitted any related document (application or reference), only in this case the student will be able to attend after the deadline. can hand over the work.

Attendance:

The maximum score for class attendance is 5 points. The number of points is based on: if the student attends all classes in the subject during the semester, he is given 5 points. If the total number of lessons missed during the semester for the subject exceeds the prescribed limit of 25% (illness, family situation, etc.), the student is not admitted to the exam session and a certain decision is made about him.

Exams:

The mid-term exam will be held on subjects taught in September and October (after the project is handed over), and the final exam will be held on subjects taught in November and December (after the project is handed over).

The procedure for completing the subject.

The student's knowledge is evaluated with a maximum of 100 points. An overall success rate of 60% and above is considered to complete the course. A student with a deficit can take this subject again in the next semester or the next year.

Rules of conduct of the student.

A student is not allowed to violate the University's internal disciplinary rules and use a mobile phone. It is forbidden to violate the educational process and ethical rules during the lesson. Unauthorized discussions between students are also prohibited during class.

Chart

Week	History	Topics of the subject	Lessons/Tasks
1.		Introduction to Exterior and Landscape Design:	Presentation:1 Overview of key principles, terminology, and the role of landscape design in architecture and urban planning.
2.		Design Principles and Elements:	Presentation:2 Basic design concepts such as balance, proportion, rhythm, and unity applied to landscape and exterior design.
3.		Site Analysis and Planning:	Presentation:3 Techniques for evaluating and understanding a site's characteristics, including topography, climate, and existing vegetation.
4.		Sustainable and Green Design:	Presentation:4 Approaches to creating environmentally friendly and resource-efficient landscapes, including sustainable materials and practices.
5.		Soil and Irrigation Management:	Presentation:5 Understanding soil types, soil health,

			and effective irrigation techniques for healthy plant growth.
6.		Plant Selection and Placement:	Presentation:6 Guidelines for choosing appropriate plants based on climate, soil, and design objectives, and how to effectively place them in a landscape.
7.		Midterm exam	
8.		Hardscaping and Built Elements: Outdoor Living Spaces:	Presentation:7-8 Designing and incorporating elements like walkways, walls, and patios into landscape designs. Planning and designing functional and aesthetically pleasing outdoor areas such as decks, patios, and outdoor kitchens
9.		Lighting Design:	Presentation:9 Techniques for incorporating outdoor lighting to enhance safety, functionality, and aesthetic appeal.
10.		Water Features and Management:	Presentation:10 Designing and integrating ponds, fountains, and rain gardens, and addressing issues related to water conservation and management.
11.		Landscape Design for Different Climates:	Presentation:11 Tailoring designs to specific climate conditions, including drought-tolerant and cold-hardy plants and materials.
12.		Residential vs. Commercial Landscape Design:	Presentation:12 Differences and considerations in designing for private residences versus commercial properties.
13.		Maintenance and Management:	Presentation:13 Strategies for maintaining and managing landscapes to ensure their long-term health and aesthetics.
14.		Trends and Innovations:	Presentation:14 Current trends and emerging technologies in landscape and exterior design, including smart landscaping and new materials.
15.		Case Studies and Portfolio Development:	Presentation:15 Analyzing real-world examples of successful landscape designs and developing a portfolio of design work.

Təsdiq edir: Dos. Abbasova Ş.A.
Memarlıq və dizayn departamentinin rəhbəri