

<b>Main information</b>	Name of subject, code and the number of credits	DSN403, Exterior and Landscape Design, 6 ECTS
	Department	Architecture and design department
	Program (bachelors, master)	Bachelors
	Academic semester	Fall 2025
	Teacher	Elbay Aliyev PhD student
	E-mail:	<a href="mailto:elbay.aliyev@khazar.org">elbay.aliyev@khazar.org</a>
	Telephone:	
	Lecture Room/Table	Neftchiler campus,
	Counseling hours	At times agreed upon with students
<b>Prerequisites</b>	-	
<b>Language of instruction</b>	English	
<b>Type of subject (compulsory, selective)</b>	Compulsory	
<b>Lessons and additional literature</b>	<ol style="list-style-type: none"> <li>1.N.A. Aghayeva, A.K. Sharifova "Modeling" Methodological materials. Baku-2020</li> <li>"Theory in Landscape Architecture: A Reader" 2002</li> <li>Y.E. Hajiyeve, R.M. Hasanov - Basics of design. Baku, 2008.</li> <li>"Landscape Architecture: A Manual of Environmental Planning and Design" by John Ormsbee Simonds, 2006 (4th Edition)</li> </ol>	
<b>Description of the course</b>	<p>Studying a course in exterior and landscape design typically combines theory with practical skills. Students begin by learning fundamental design principles such as balance, proportion, scale, and unity, which are essential for creating harmonious outdoor spaces.</p> <p>The course covers plant selection and placement, focusing on choosing suitable plants for different climates and soil conditions, and arranging them to enhance both aesthetics and functionality. Hardscape elements are also addressed, including the design and installation of patios, walkways, walls, and water features.</p> <p>Site analysis is a key component, teaching students to evaluate physical characteristics such as topography, climate, and existing vegetation. Sustainable practices are emphasized, including rain gardens, native planting, and water conservation techniques.</p> <p>Students are also introduced to design software, such as CAD (Computer-Aided Design), for creating and visualizing their designs. The course concludes with an overview of construction and installation processes, covering material selection and project management to ensure designs are successfully implemented.</p>	
<b>Course objectives</b>	Purpose of the subject:	

	<p>The purpose of the course in exterior and landscape design is to prepare students to create attractive, functional, and sustainable outdoor spaces. It teaches them to apply design principles to enhance both aesthetics and usability, while emphasizing environmental sustainability. Students learn to analyze site-specific conditions, use design software, and manage projects from concept to completion, ensuring their designs are effective and eco-friendly.</p>
<b>Results of teaching</b>	<p>In the process of general teaching of the subject, students:</p> <p><b>They should know:</b></p> <ul style="list-style-type: none"> <li>• <b>Design Fundamentals:</b> Core principles such as balance, proportion, rhythm, and unity, and how to apply them to outdoor spaces to create visually appealing and functional designs.</li> <li>• <b>Plant Identification and Care:</b> Knowledge of different plant species, their growth habits, environmental needs, and how to select and place them effectively.</li> <li>• <b>Hardscape Materials and Techniques:</b> Understanding of materials (e.g., pavers, bricks, stone) and construction techniques for patios, pathways, and walls.</li> <li>• <b>Site Analysis:</b> Skills to assess and interpret site conditions, including soil type, drainage, topography, and climate, to guide design decisions.</li> <li>• <b>Sustainable Design Practices:</b> Principles of environmentally responsible design, including water management, soil conservation, and the use of native plants and sustainable materials.</li> <li>• <b>Design Software Proficiency:</b> Ability to use design tools such as CAD for creating and presenting design plans.</li> <li>• <b>Project Management:</b> Basics of managing a design project from concept to completion, including budgeting, scheduling, and coordinating with contractors.</li> </ul> <p><b>They should be able to:</b></p> <ul style="list-style-type: none"> <li>• <b>Apply Design Principles:</b> Create outdoor spaces that use balance, proportion, and harmony to achieve visually appealing and functional results.</li> <li>• <b>Select and Place Plants:</b> Choose plants based on climate, soil, and design goals, arranging them to enhance beauty and functionality.</li> <li>• <b>Design Hardscape Elements:</b> Plan and design features such as patios, pathways, and walls to complement the overall design and meet practical needs.</li> <li>• <b>Conduct Site Analysis:</b> Assess site characteristics, including topography, soil, and climate, to make informed design decisions suited to specific conditions.</li> <li>• <b>Implement Sustainable Practices:</b> Integrate environmentally-friendly practices, including water conservation, soil management, and the use of native plants.</li> <li>• <b>Utilize Design Software:</b> Create detailed and accurate design plans and visualize them in 2D or 3D using tools like CAD.</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Manage Projects:</b> Oversee implementation of designs, including budgeting, scheduling, and coordination with contractors or construction teams to ensure successful project completion.</li> </ul>		
<b>Teaching methods</b>	Lecture	+	
	Group discussion	+	
	Practical tasks	+	
	Analysis of a practical issue	+	
<b>Marks</b>	<b>Components</b>	<b>History/last term</b>	<b>Percent (%)</b>
	<b>Attendance</b>		5
	<b>Assignment</b>		15
	<b>Midterm exam</b>		30
	<b>Activity</b>		15
	<b>Final exam</b>		35
	<b>Final</b>		100
<b>Rules (Teaching policy and behavior)</b>	<p><b>Lecture, seminar, presentation</b></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><b>It will be evaluated in the midterm (30 points) and final (35 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.</b></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><b>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.</b></p> <p><b>Note:</b> 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><b>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.</b></p> <p><b>Exception:</b> 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 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.</p> <p><b>Attendance:</b></p> <p>The maximum score for class attendance is 5 points. The number of points is</p>		

<p>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.</p> <p><b>Exams:</b></p> <p>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).</p> <p><b>The procedure for completing the subject.</b></p> <p>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.</p> <p><b>Rules of conduct of the student.</b></p> <p>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.</p>			
<b>Chart</b>			
<b>Week</b>	<b>History</b>	<b>Topics of the subject</b>	<b>Lessons/Tasks</b>
<b>1.</b>		<b>Introduction to Exterior and Landscape Design:</b>	Presentation:1 Overview of key principles, terminology, and the role of landscape design in architecture and urban planning.
<b>2.</b>		<b>Design Principles and Elements:</b>	Presentation:2 Basic design concepts such as balance, proportion, rhythm, and unity applied to landscape and exterior design.
<b>3.</b>		<b>Site Analysis and Planning:</b>	Presentation:3 Techniques for evaluating and understanding a site's characteristics, including topography, climate, and existing vegetation.
<b>4.</b>		<b>Sustainable and Green Design:</b>	Presentation:4 Approaches to creating environmentally friendly and resource-efficient landscapes, including sustainable materials and practices.
<b>5.</b>		<b>Soil and Irrigation Management:</b>	Presentation:5 Understanding soil types, soil health, and effective irrigation techniques for healthy plant growth.
<b>6.</b>		<b>Plant Selection and Placement:</b>	Presentation:6 Guidelines for choosing appropriate plants based on climate, soil, and

			design objectives, and how to effectively place them in a landscape.
7.		<b>Midterm exam</b>	
8.		<b>Hardscaping and Built Elements:</b> <b>Outdoor Living Spaces:</b>	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.		<b>Lighting Design:</b>	Presentation:9 Techniques for incorporating outdoor lighting to enhance safety, functionality, and aesthetic appeal.
10.		<b>Water Features and Management:</b>	Presentation:10 Designing and integrating ponds, fountains, and rain gardens, and addressing issues related to water conservation and management.
11.		<b>Landscape Design for Different Climates:</b>	Presentation:11 Tailoring designs to specific climate conditions, including drought-tolerant and cold-hardy plants and materials.
12.		<b>Residential vs. Commercial Landscape Design:</b>	Presentation:12 Differences and considerations in designing for private residences versus commercial properties.
13.		<b>Maintenance and Management:</b>	Presentation:13 Strategies for maintaining and managing landscapes to ensure their long-term health and aesthetics.
14.		<b>Trends and Innovations:</b>	Presentation:14 Current trends and emerging technologies in landscape and exterior design, including smart landscaping and new materials.
15.		<b>Case Studies and Portfolio Development:</b>	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