General Information	Subject name, code and number of credits	**DSN 326 Designing, 6 ECTS**
	Department	**Architecture and Design Department**
	Program (Bachelor's degree)	Bachelors
	Academic semester	Winter semester of the 2024/2025 academic year
	Subject teacher(s	**Sevinj Hasanova**
	E-mail:	Hasanova.sevinj@khazar.org
	Telephone:	-
	Lecture room/Schedule	Khazar University, Neftchilar campus
	Counseling hours	At times agreed upon with students
Prerequisites	-	
Language of instruction	English	
Type of subject (compulsory, elective)	Compulsory	
Textbooks and additional literature	**1.** "Handbook of Design Thinking" Christian Mueller-Roterberg- November 2018 **2.** "Understanding Architecture" leland M. Roth and Aamanda C. Roth Clark/New York London 2018 **3.** "Architectural Projections" -Andrew Benjamin -2012 **4.** "A Simple Introduction to Architecture" Tomasz E. Malec / 2019 **5.** "Architectural Design Portable Handbook" - Andy Pressman – 2001 **6.** "Archıtecture Notes" Sevastean Ianca & Mircea Georgescu **7.** The handbook of model-making for set designers by Winslow, Colin / 2008 **8.** Model-Makıng Guıdelınes .PDF **9.** "Vitruvius : the ten books on architecture" by Vitruvius Pollio -1914 **10.** "Loving Architecture" Lerzan Aras- A hand book for architecture students, who arecurious and committed with passion.- March 2023	
Course description	**Projecting**- for students involves the education and training that aspiring architects undergo to acquire the knowledge and skills necessary for designing buildings and physical spaces. Students learn the foundational principles of architectural design, including spatial relationships, proportion, scale, and aesthetics. Develop skills in creative and critical thinking to approach design challenges from multiple perspectives. Learn to assess and analyze sites for potential architectural projects. Engage in studio projects that allow students to apply theoretical knowledge to real-world design challenges. Many architectural design programs incorporate internships or practical experiences to provide students with real-world exposure to the profession. Architectural design education is often structured as a combination of classroom instruction, design studios, and hands-on projects. The goal is to equip students with a comprehensive understanding of architecture, preparing them for a career in designing functional, aesthetically pleasing, and sustainable built environments.	
	The course objectives for architectural designing vary based on the specific program and educational institution. However, here are common objectives that many architectural design courses aim to achieve:	

Course objectives	1. Develop Projecting Skills: To cultivate the ability to think creatively, critically, and spatially, enabling students to develop design solutions for various architectural challenges. 2. Acquire Building Technology Knowledge: To impart knowledge of construction materials, structural systems, and building technologies, enabling students to design structures that are functional, safe, and sustainable. 3. Develop Critical Thinking and Problem-Solving Skills: To enhance students' ability to analyze complex design problems, identify constraints, and develop innovative and feasible solutions. 4. Provide Hands-On Studio Experience: To offer students practical, hands-on experience through design studio projects, allowing them to apply theoretical knowledge to real-world scenarios. 5. Encourage Continuous Learning and Adaptability: To instill a mindset of lifelong learning, as architecture is a dynamic field that requires professionals to stay updated on evolving technologies, design trends, and sustainability practices. 6. Cultivate Ethical and Responsible Designers: To emphasize ethical considerations in architectural design, including social responsibility, cultural sensitivity, and the impact of design decisions on communities and the environment.
Results of teaching (learning).	The results of teaching architectural design are multifaceted and can be observed in various aspects of a student's development. Here are some of the key outcomes or results that may be expected from a successful architectural design education: 1. Design Proficiency: Students should demonstrate a high level of proficiency in designing architectural solutions. This includes the ability to conceptualize ideas, create aesthetically pleasing designs, and address functional and spatial requirements. 2. Technical Competence: Graduates should possess strong technical skills, including proficiency in architectural drawing, model-making, and the use of design software and other relevant tools. 3. Critical Thinking and Problem-Solving: Students should be adept at critically analyzing design challenges, identifying problems, and developing innovative solutions. This ability extends to addressing technical, functional, and contextual issues. 4. Communication Skills: Graduates should be effective communicators, capable of articulating their design ideas clearly through drawings, presentations, and verbal communication. This includes the ability to convey complex concepts to both professionals and non-professionals. 5. Understanding of Architectural History and Theory: Students should demonstrate a deep understanding of the historical and theoretical underpinnings of architecture, incorporating this knowledge into their design concepts and decisions. 6. Sustainable Design Practices: Graduates should exhibit an awareness of sustainability principles and environmental considerations in their designs. This includes the integration of energy-efficient and environmentally responsible solutions. 7. Collaborative and Interdisciplinary Skills: Graduates should be comfortable working collaboratively with diverse teams, including architects, engineers, clients, and other professionals involved in the built environment. 8. Portfolio Development: Students should have a comprehensive and well-presented portfolio showcasing their design projects. This portfolio is a key tool for seeking employment or pursuing further education.

	Lecture	A lecture is given to the students about the topic.
	Group discussion	In order for students to better understand and remember the topics covered, discussions are held regularly.

<table>
<tr><td rowspan="2">Teaching methods</td><td>Practical exercises</td><td colspan="2">Practical exercises are done to improve the knowledge and skills students have learned during lectures.</td></tr>
<tr><td>Analysis of a practical issue</td><td colspan="2">Periodic question-and-answer, quick-to-solve small-scale task-based discussions are held to understand how well students have mastered the topics in theory and at what level they can practically complete the given task by thinking like a designer.</td></tr>
<tr><td rowspan="7">Assessment</td><td>Components</td><td>Date/deadline</td><td>Components</td></tr>
<tr><td>Presentation (research)</td><td></td><td>15</td></tr>
<tr><td>Attendance</td><td></td><td>5</td></tr>
<tr><td>Activity</td><td></td><td>15</td></tr>
<tr><td>Midterm exam</td><td></td><td>25</td></tr>
<tr><td>Final exam</td><td></td><td>40</td></tr>
<tr><td>Conclusion</td><td></td><td>100</td></tr>
<tr><td>Rules (Teaching policy and conduct)</td><td colspan="3">Presentation
The student should search on the basis of topics covering the subject, and the topic should be analyzed in depth. A presentation should be prepared based on the conducted research. The sources cited during the analysis should be listed in the reference list accordingly. The presentation should be made in Word, the tasks related to the project should be based on AutoCad and 3dsMax programs.
The assignment must be submitted by the student.
The purpose of this assignment is to form and develop the skills of future architects and designers to conduct small research, design and present new or remodeling architectural or design projects in a short period of time.
Duration:
Research of the presentation should be submitted by the time of midterm exams. Each student is given 10-15 minutes for presentation. The presentation date is considered during the last class before the midterm exam.
Midterm exam
A review of the project the student worked on during the semester is provided by the student's presentation on the projector (presentation presentation). During the project review, project studies, area analysis, idea solutions, internal and external planning (with internal and external dimensions), master plan, facade (front, side and back) solutions of the project (indicating floor and level heights), cross-section drawing of the stairwell registration must be submitted in a completed form through computer programs.

Note: The main conditions to be considered in the evaluation of the Midterm (presentation) and Final (tablet and model) exams:
- Graphic neatness, scale of the project, naming of steps and transitions (arrows) in the preparation of projects;
- layout of internal and external dimensions, as well as floor heights (in Sections and Facades) according to standards and scale;
- special attention should be paid to the complete and correct preparation and sorting, naming of the mentioned plans, the importance of the required classifications.
- The scale model of the project should be incomplete for the midterm exam and fully ready for the final exam.
- In each class, the student will be required to present research and design according to the given task, and based on this, the student will be evaluated with 1 point each time, and at</td></tr>
</table>

the end of the semester (assignment), he will receive a full point - 15 points as an activity score. Otherwise, the student will be given 0 points for each unprepared class day.
- Full score in the mid-term exam - 25 points (if the requirements specified in the note are fully fulfilled) - presentation of projects with a projector;
- In the final exam, the full score is 40 points (in case of full fulfillment of the requirements specified in the note) - presentation of the project on a tablet (review) is provided.

Duration:
Project review (project presentation) will be conducted during the midterm exam.
Note: Project design must be done using computer graphics programs (AutoCAD, ArchiCAD, SketchUp, Revit, 3ds Max, Rhino, Lumion, Photoshop, CorelDraw, etc.).

Exception: If the student informed the dean of the faculty in advance that he/she will not be able to participate in the presentation 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 can be re-examined.

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 it.

The procedure for completing the course
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.

Violations of examination rules
During mid-term and final exams, students are prohibited from disrupting the course of the exam and making transfers. The exam work of the student who does not follow this rule will be canceled and the student will be excluded from the exam with a grade of 0 (zero).

Rules of conduct of the student
A student is not allowed to violate the University's internal disciplinary rules and use a mobile phone.

Note: The subject will be held in the form of lectures and workshops. In each lesson, the student will be given theoretical information about the theory of design, types of buildings and facilities, types of buildings, etc. - the basics of architectural design and design layout, and discussions will be held on the topic.

Table (subject to change)

Week	Date	Topics of the subject	Tutorial/Assignments
		The essence of designing and its tasks. • Projecting and Design-thinking.	1.“Handbook of Design Thinking” Christian Mueller-Roterberg-

1.	19.09.2024 19.09.2024	• Design principles. Analysis of functionality in • design, theoretical knowledge. --- Introduction, presentation of the topic and an explanation of the course delivery method	November 2018 /Page-1÷6 2.“Understanding Architecture” leland M. Roth and Aamanda C. Roth Clark /Page 9
2.	26.09.2024 26.09.2024	**Design concept** • Searching for a concept idea for a given task in the design process. • Area analyses. --- Area analyses	1.“Architectural Design Portable Handbook” - Andy Pressman – 2001/p171 1.“Handbook of Design Thinking” Christian Mueller-Roterberg- November 2018 /Page-11÷28
3.	03.10.2024 03.10.2024	**Concept of scale in design.** • Circulation in design. • Factors to consider in project design. Standards. --- Approval of area searches and project searches. Floor plans layout.	1.“Understanding Architecture” leland M. Roth and Aamanda C. Roth Clark /Page 69 2.“Loving Architecture” Lerzan Aras- A hand book for architecture students, who arecurious and committed with passion.- March 2023
4.	10.10.2024 10.10.2024	**Project requirements and standards** • Project approval and preparation of cross-section. • Rules of development of the approved project according to standards. --- Layout of floor plans. Section	1.“Understanding Architecture” leland M. Roth and Aamanda C. Roth Clark /Page 75 2.“A Simple Introduction to Architecture” Tomasz E. Malec / 2019- Chapter 4.
5.	17.10.2024 17.10.2024	**Orthogonal projections.** • Concepts about the exterior, factors to be considered in exterior design. --- Different depending on the structure of the project preparation of frontal views.	1.“A Simple Introduction to Architecture” Tomasz E. Malec / 2019- Chapter 6
		Designing decoration plans.	

6.	24.10.2024 24.10.2024	• Factors to be taken into account in designing decoration plans of the project. Capillars, areas, gaps, etc. • Horizontal circulation elements Furniture design based on design.	1.“Archıtecture Notes” Sevastean Ianca & Mircea Georgescu p.83÷105
7.	31.10.2024 31.10.2024	**Plans, Sections and Facades.** • Finalization of Plans, Sections and Facades. • Presentation of the presentation (research). Preparation of the task for the midterm exam.	1.“Understanding Architecture” leland M. Roth and Aamanda C. Roth Clark /Page 69.
8.	07.11.2024 07.11.2024	**Concepts about master plan.** • Relationship and importance of master plan and area (location) plan in planning. Preparation of the model of the project.	1.“Understanding Architecture” leland M. Roth and Aamanda C. Roth Clark /Page117.
9.	14.11.2024	**Midterm exam**	
10.	21.11.2024 21.11.2024	**Three-dimensional presentation of the project.** • Application of exterior and style searches and knowledge. Preparation of 3-dimensional views with computer programs. Design development.	1.“Archıtecture Notes” Sevastean Ianca & Mircea Georgescu p.98
11.	28.11.2024 28.11.2024	**Composition.** • Examples of tablet camposition. • completed floor plans. • floor section • master plan. • preparation of the tablet. Examination and discussion of the three-dimensional view.	1.“Archıtecture Notes” Sevastean Ianca & Mircea Georgescu p.2÷134

12.	05.12.2024 05.12.2024	**Shaping Space** • Three-dimensional view and layout. • Model preparation based on three-dimensional views.	1.The handbook of model-making for set designers by Winslow, Colin / 2008 2.Model-Makıng Guıdelınes .PDF
13.	12.12.2024 12.12.2024	**Part of the Natural Environment** • Preparation of the surrounding area of the project in the model. • Implementation of the master plan in the layout. Preparation of the surrounding area of the mock-up.	1.The handbook of model-making for set designers by Winslow, Colin / 2008 2.Model-Makıng Guıdelınes .PDF
14.	19.12.2024 19.12.2024	**Summary** • Final preparation of projects. Final preparation of the model.	https://ru.scribd.com/document/556551947/Architectural-Design-Project-Presentation
15.	26.12.2024 26.12.2024	**Presentatıon** • Presentation of final projects and preparation for tablet. Presentation of the final mockup.	https://ru.scribd.com/document/556551947/Architectural-Design-Project-Presentation
Final exam			

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