Identification	**Subject**	ARCH204, Architectural design-2, 6 ECTS
	Department	Architecture and design department
	Program (Undergraduate, Graduate)	Undergraduate
	Term	Fall 2025
	Instructor	Assoc. Prof. Shahla Abbasova
	Email:	shabbasova@khazar.org
	Classroom/hours	Khazar University, Neftchilar campus
Prerequisites	**ARCH 204 Architectural design 1**	
Language	English	
Compulsory/Elective	**compulsory**	
Textbooks and course materials	1. **"Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi"** Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 2. **Ici Consultants. French Museum Architecture, Design Media Publishing Ltd, 2014. — 174 p. — ISBN10: 9881566231.** 3. Tzortzi Kali. Museum Space: Where Architecture Meets Museology, Routledge, 2017. — 320 p. 4. Fannon D., Laboy M., Wiederspahn P. The Architecture of Persistence: Designing for Future Use, Routledge, 2022. — 313 p. 5. Internet Resources	
Course description	The main objective of the course is to teach students the methodology for carrying out pre-project concept works in the architectural design process, the requirements and principles of a systematic approach to the project topic. Another goal is to instill in students the importance of justifying the requirements for the design of a given object and approaching the formation of the project idea in a philosophical and epistemological context. Additionally, the course aims to develop skills required for specific project tasks, including investigating the creation of architectural volumes and spaces, the formation of spatial-planning and aesthetic images, artistic expression methods, and understanding constructive and functional concepts.	
Course objectives	Students who master the course will acquire the ability to address theoretical and methodological issues related to the transition from idea to project within the framework of the interconnected formal and content requirements of design. They will also learn the rules for graphically, through color, and through models, expressing the initial idea in more refined compositional schemes. Additionally, they will gain a systematic understanding of the general regularities of the content of the idea in the formation of an architectural object.	

<table>
<tr><td>Learning Outcomes</td><td colspan="3">By the end of the course, students are expected to acquire the following knowledge and skills (Library Design):
Developing a comprehensive architectural concept for a library, considering functional zoning, aesthetic qualities, and integration with the surrounding context;
Analyzing site conditions and applying urban design principles to determine the most suitable location and orientation for the library;
Designing efficient spatial layouts that accommodate reading areas, collections, administrative spaces, public zones, and circulation, in accordance with library design standards;
Selecting appropriate structural systems that support large open reading spaces, quiet zones, and flexible usage (without performing structural calculations);
Incorporating building codes, fire safety, acoustics, and accessibility requirements into the design process for a public educational facility;
Applying sustainable design strategies, including natural lighting, passive ventilation, energy efficiency, and the use of eco-friendly materials suitable for library environments;
Creating detailed architectural drawings, such as floor plans, sections, elevations, and site plans, that show both technical accuracy and design intent;
Effectively communicating architectural ideas using sketches, concept diagrams, 3D models, and presentation boards tailored for a library project.</td></tr>
<tr><td rowspan="4">Teaching methods</td><td colspan="2">Case analysis</td><td>x</td></tr>
<tr><td colspan="2">Group discussion</td><td>x</td></tr>
<tr><td colspan="2">Lecture</td><td>x</td></tr>
<tr><td colspan="2">Simulation</td><td>x</td></tr>
<tr><td rowspan="7">Evaluation Criteria</td><td>Methods</td><td>Date/deadlines</td><td>Percentage (%)</td></tr>
<tr><td>Presentation</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>TBA</td><td>30</td></tr>
<tr><td>Final exam</td><td>TBA</td><td>35</td></tr>
<tr><td>Total</td><td></td><td>100</td></tr>
<tr><td>Class Policy</td><td colspan="3">In-class task:
Throughout the semester, students will participate in unannounced in-class design tasks, designed to assess their ability to apply architectural concepts, spatial planning strategies, and technical drawing skills in real time. These tasks will take place during class hours and will require students to respond to a design challenge, develop quick sketches, refine spatial layouts, or solve architectural problems based on the topics covered in prior lessons. The objective is to evaluate students' critical thinking, problem-solving, and ability to work efficiently under time constraints. Each task will contribute to the overall course assessment and must be completed individually.</td></tr>
</table>

Activity:
The activity is designed to monitor the progress of the project that the student must work on during the semester. Each student must come prepared to class every week during the semester and present the current state of the project to the instructor. If there is sufficient progress in the project, the activity is evaluated with 1 point for the current week. It encourages the student to constantly work on the project during the semester, and the parallel application of the learned knowledge on the project ensures the consolidation of these principles and skills.

Attendance:
The maximum score for attending classes is 5 points. The number of points is based on: if the student attends all classes of the subject during the semester, she/he is given 5 points, **1 point is deducted for every 2 classes not attended**. If the total number of lessons missed during the semester for the subject is more than 25% of the norm (illness, family situation, etc.), the student is not admitted to the exam session, and a certain decision is made about it.

Mid-term Exam:
The Mid-Term Exam is a formal evaluation of students' library design projects, focusing on both the conceptual development and the technical accuracy of their proposals. All required hand-drawn architectural drawings must be completed and submitted before the exam for review by the designated exam committee.
During the exam, students will present their design concept, demonstrating how their proposed library addresses functional zoning, user needs, spatial flow, and architectural character. The presentation must clearly explain how the project responds to contextual, functional, and design challenges specific to a public library.

The submitted project must be prepared using AutoCAD or Revit software.

- Site Plan
- Floor Plans
- At least one Section
- One Elevation
- Concept Sketches and Diagrams

Final exam:
The Final Exam is a comprehensive assessment of the museum design project, evaluating the complete architectural proposal through both conceptual strength and technical development. All required architectural drawings must be hand-drawn, completed before the exam, and presented on professionally arranged boards in a clear and coherent visual layout.

Students are expected to prepare and submit:
- Site Plan

	- Floor Plans (with clear functional zoning) - At least one Section -Elevations - Conceptual sketches - 3D models Drawings should be enhanced manually through coloring, line quality, textures, and annotations to ensure a visually rich and communicative presentation. During the exam, each student will present their final concept, explaining how the design addresses library functionality, spatial organization, user comfort, environmental response, and architectural clarity. The exam committee will evaluate submissions based on: - Conceptual integrity,design coherence - Technical accuracy - Graphic clarity and aesthetics - Completeness and presentation quality **Note:** Late submissions will not be accepted unless officially excused. **Important:** All tasks must be scanned and submitted via the Teams assignment section one day before the exam date. **Completion of 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 failed student 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.

Tentative Schedule

Week	Date	Topics	Textbook/Assignments
1		Research and analysis of the content structure of the object and examination of similar projects worldwide	Lecture Topic 1. 2. pp 1-44, pp 154-170
2		Analysis of the formal structural framework of the object and implementation of conceptual studies	2. pp. 45-92 Project Implementation
3		Analysis of the area where the building will be designed	Site view and visual analysis of the project area
4		Preparation of analytical graphic drawings based on the results of research and analysis	Lecture Topic 2. 3. pp.103-120 Project Implementation
5		Development of design idea variants (using graphic	Lecture Topic 3.

		and model-making methods)	Project Implementation
6		Elaboration of design idea variants (through graphic and model simulation methods)	Lecture Topic 4 Project Implementation
7		Preparation of plan layouts for the final variants	Project Implementation
8		**Midterm Exam**	
9		Development of structural sections Working out sketch alternatives for the building facades	Lecture Topic 5. Project Implementation
10		Modeling on a module tablet – preparing the area in a way that is coordinated with adjacent modules.	2. pp.93-156 Project Implementation
11		Modeling of the main building.	https://www.admagazine.ru/architecture/muzei-mira-40-samyh-krasivyh-zdanij Project Implementation
12		Modeling of the main building.	https://www.architime.ru/specarch/top10_museums/museums.htm Project Implementation
13		Modeling of the main building.	Lecture Topic 6. Project Implementation
14		Integration of individually prepared module-tablet models into the overall complex.	Project Implementation
15		Carrying out the final completion works of the project.	Completion of the project
Final Exam			