

General Information	Subject name, code and number of credits	ARCH 201 Architectural Design - 1 3KU/6 ECTS
	Department	Architecture and design department
	Program (bachelor's degree, master's degree)	Bachelor
	Academic semester	Fall 2025
	Instructor(s)	Sevinj Hasanova
	E-mail:	Hasanova.sevinj@khazar.org
	Lecture Room/Schedule	Khazar University, Neftchilar campus
	Office hours	At times agreed upon with students
Prerequisites	-	
Language of instruction	English	
Type of subject (compulsory, elective)	Compulsory	
Textbooks and additional literature	<ol style="list-style-type: none"> 1. “Designing Libraries For The 21st Century”/ H. Thomas Hickerson, Joan K. Lippincott, And Leonora Crema, editors/American Library Association /Chicago, / 2022 2. “Fairfax County Library Design Manual”/ Fairfax County Public Works and Environmental Services Building Design and Construction Division/April 2017 3. “Library Space” A Planning Resource For Librarians 4. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 5. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu. 6. “Kitabxana İşinə Dair Rəsmi Sənədlər” Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva 7. https://architizer.com/architectural-evolution-of-the-library 8. https://parametric-architecture.com/6-examples-of-library-architecture,a Haven for Bookworms 9. https://www.artsy.net/article/8-public-libraries-architectural-wonders/Sep 13, 2017 10. “Guide book for Sustainable Architecture.” Springer Publishing. Bauer, M., Möslle, P., & Schwarz, M. (2009). Green Building: 11. “Sustainable Architectural Design:An Overview” Iyengar, K.(2015). (1sted.). Routledge. 	
Course outline	<p>This Architectural Design course guides students through the design process of a library project from conceptual development to final architectural presentation. The course emphasizes spatial organization, functional planning, structural system integration, sustainability, and architectural compliance. Using research and technical documentation, students will develop a comprehensive architectural proposal that addresses real-world design challenges..</p>	

Course objectives	<p>This course aims to develop students' ability to design a library project from concept to final architectural presentation, integrating functional, aesthetic, and technical considerations. Students will learn to analyze site conditions, apply zoning regulations, and develop spatial plans that optimize circulation, accessibility, and user experience. Students will prepare detailed architectural documents, including plans, sections, elevations, and 3D models. In addition, the course covers building codes to ensure compliance with real-world design requirements. By the end of the semester, students will have a comprehensive restaurant design proposal that demonstrates their ability to integrate the creative and technical aspects of architectural practice.</p>		
Results of teaching (learning)	<p>By the end of the course, students are expected to acquire the following knowledge and skills (Library Design):</p> <ul style="list-style-type: none"> • 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. 		
Teaching methods	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.	
	Practical tasks	Practical exercises are done to improve the knowledge and skills students have learned during lectures.	
	Analysis of a practical issues	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.	
Evaluation	Components	Date/Deadline	Percentage (%)
	Attendance		5
	Activity		10
	In-class task		20
	Mid-term exam		30
	Final exam		35
	Total		100

<p>Rules</p> <p>(Education policy and conduct)</p>	<p>In-class task:</p> <p>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.</p> <p>Activity:</p> <p>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.</p> <p>Attendance:</p> <p>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.</p> <p>Mid-term Exam:</p> <p>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.</p> <p>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 work must include a set of manually drawn architectural drawings, consisting of:</p> <ul style="list-style-type: none"> - Site Plan - Floor Plans - At least one Section - One Elevation - Concept Sketches and Diagrams <p>Drawings should be accurately scaled, clearly annotated, and visually legible. The committee will evaluate the work based on design coherence, spatial organization, functionality, technical quality, and graphic clarity of hand-drawn materials.</p> <p>Note: Late submissions will not be accepted unless supported by an official excuse. Only hand-drawn work will be reviewed and graded.</p> <p>Final exam:</p> <p>The Final Exam is a comprehensive assessment of the library design project, evaluating the complete architectural proposal through both conceptual strength and technical development. All required architectural drawings must be hand-drawn,</p>
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<p>completed before the exam, and presented on professionally arranged boards in a clear and coherent visual layout.</p> <p>Students are expected to prepare and submit:</p> <ul style="list-style-type: none"> - Site Plan - Floor Plans (with clear functional zoning) - At least one Section -Elevations - Conceptual sketches - 3D models <p>Drawings should be enhanced manually through coloring, line quality, textures, and annotations to ensure a visually rich and communicative presentation.</p> <p>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:</p> <ul style="list-style-type: none"> - Conceptual integrity,design coherence - Technical accuracy - Graphic clarity and aesthetics - Completeness and presentation quality <p>Note: Late submissions will not be accepted unless officially excused.</p> <p>Important: All tasks must be scanned and submitted via the Teams assignment section one day before the exam date.</p> <p>Completion of the course:</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 failed student can take this subject again in the next semester or the next year.</p> <p>Rules of conduct of the student:</p> <p>A student is not allowed to violate the University's internal disciplinary rules and use a mobile phone.</p>			
Schedule (subject to change)			
Week	Date	Topics of the subject	Textbook/Resource
1		<p>Introduction: What is a library? Historical development and modern functions</p> <ul style="list-style-type: none"> • Purpose of Design Manual • General Design Criteria • Organization of Design Manual 	<ol style="list-style-type: none"> 1. “Fairfax County Library Design Manual”/April 2017 p-5÷7 2. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 3. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu. 4. “Kitabxana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva

2	<p>Analyzing site conditions: topography, climate, infrastructure</p> <ul style="list-style-type: none"> • External Site Criteria • Internal Site Criteria • Site Organization • Building Orientation • Site Components • Landscaping • Lighting • Off-Street Parking • Trash and Recycling Dumpsters <p>Functional sketch based on user needs</p>	<ol style="list-style-type: none"> 1. “Fairfax County Library Design Manual”/April 2017 p-9÷15 2. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 3. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu. 4. “Kitabxana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
3	<p>Types of libraries (public, academic, school, children’s, specialized, etc.)</p> <ul style="list-style-type: none"> • Regional Libraries: • Community Libraries: <p>Functional sketch based on types of libraries</p>	<ol style="list-style-type: none"> 1.“Fairfax County Library Design Manual”/April 2017 p-18 2.https://architizer.com/architectural-evolution-of-the-library
4	<p>Circulation & Spatial Organization. Library users and their needs</p> <p>Zoning layout (reading, storage, administration, etc.) – concept plan</p>	<ol style="list-style-type: none"> 1. “Fairfax County Library Design Manual”/April 2017 p-18 2. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 3. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu. 4. “Kitabxana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
	<p>Library Building Organization</p> <ul style="list-style-type: none"> • Non-public areas • Public areas • Support areas • Multi-Level Libraries • Column Grid 	<ol style="list-style-type: none"> 1. “Fairfax County Library Design Manual”/April 2017 p-21÷24 2. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci

5		<ul style="list-style-type: none"> Floor to Floor Height <p>Circulation flow development on plan</p>	<p>il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir</p> <p>3. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu.</p> <p>4. “Kitabxana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva</p>
6		<p>Library Programming Requirements</p> <ul style="list-style-type: none"> User-Based Space Planning: <ul style="list-style-type: none"> Space per user Accessibility needs -Quiet vs. interactive zones Library Programming Matrix Creation 3D model preparation of the project 	<p>1. “Fairfax County Library Design Manual”/April 2017 p-21÷24</p> <p>2. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir</p> <p>3. “Kitabxana İşı Haqqında” Azərbaycan Respublikasının Qanunu.</p> <p>4. “Kitabxana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva</p>
7		<p>Reading areas: lighting, furniture, and acoustics</p> <p>Based on the research, lighting and furniture placement suggestions.</p>	<p>1. “Fairfax County Library Design Manual”/April 2017 p-25</p>
8		<p>Energy Efficiency & Sustainability in Restaurant Design Passive design strategies for climate control Sustainable materials & energy-efficient building technologies</p> <p>Sketching energy-efficient and naturally lit layout</p>	<p>1. “Guide book for Sustainable Architecture.” Springer Publishing. Bauer, M., Möslé, P., & Schwarz, M. (2009). Green Building:</p> <p>2. “Sustainable Architectural Design:An Overview” Iyengar, K.(2015). (1sted.). Routledge.</p>
9		Midterm Exam	

10		<p>Integration of technology (RFID, computers, automation).Book storage system selection and planning</p> <p>Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements, sections, elevations</p>	<ol style="list-style-type: none"> 1. “Library Spaces And Architecture: Designing For The Future”Jagmohan Meena 2. “Designing Libraries For The 21st Century”/ H. Thomas Hickerson, Joan K. Lippincott, And Leonora Crema, editors/American Library Association /Chicago, / 2022 p-177 3. “Kitابخana İşinə Dair Rəsmi Sənədlər” Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
11		<p>Building Codes, Fire Safety & Accessibility Fire safety regulations for Libraries.</p> <p>Refinement and dimensioning of sketch plans Viewing 3D models of the project, monitoring the progress of the work</p>	<ol style="list-style-type: none"> 1. “Azərbaycan Respublikasının Şəhərsalma Və Tikinti Məcəlləsi” Azərbaycan Respublikasının 2012-ci il 29 iyun tarixli 392-IVQ nömrəli Qanunu ilə təsdiq edilmişdir 2. “Kitابخana İşı Haqqında” Azərbaycan Respublikasının Qanunu. 3. “Kitابخana İşinə Dair Rəsmi Sənədlər”Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
12		<p>Facade Design & Material Selection Architectural expression through facade treatment Selecting cladding materials suitable for restaurant use Sustainability and durability considerations</p> <p>Facade Design & Material Selection Architectural expression through facade treatment Selecting cladding materials suitable for restaurant use Sustainability and durability considerations</p>	<ol style="list-style-type: none"> 1. “Library Spaces And Architecture: Designing For The Future”Jagmohan Meena 2. “Designing Libraries For The 21st Century”/ H. Thomas Hickerson, Joan K. Lippincott, And Leonora Crema, editors/American Library Association /Chicago, / 2022 p-177 3. “Kitابخana İşinə Dair Rəsmi Sənədlər” Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
13		<p>Finalizing architectural drawings (site plan, floor plans, sections, 3D views)</p> <p>Finalization of 3D models of the project, layout of the surrounding area</p>	<p>https://cedreo.com/blog/architectural-drawings</p>

14		Finalizing Drawings & Presentation Techniques Creating architectural boards (site plan, floor plans, sections, 3D views) Finalizing Drawings & Presentation Techniques Creating architectural boards (site plan, floor plans, sections, 3D views)	1. “Library Spaces And Architecture: Designing For The Future” Jagmohan Meena 2. “Designing Libraries For The 21st Century”/ H. Thomas Hickerson, Joan K. Lippincott, And Leonora Crema, editors/American Library Association /Chicago, / 2022 p-177 3. “Kitابخana İşinə Dair Rəsmi Sənədlər” Azərbaycan Milli Kitabxanası/2015 Tərtibçi: K.M.Tahirov professor, Əməkdar mədəniyyət işçisi Redaktor: A.T.Abdullayeva
15		Finalizing presentation board design. Finalizing presentation board design.	
Final exam			

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