

Identification	Subject	ARCH 201 Architectural Design – 1B 3KU/6 ECTS
	Department	Architecture and design department
	Program (Undergraduate, Graduate)	Bachelor
	Term	Fall 2027
	Instructor	Ilaha Tahmazli
	Email:	ilaha.tahmazli@khazar.org
	Classroom/hours	Neftchilar campus, room --- Mon. 11:50 – 13:20 13:40– 15:10
Prerequisites	Basics of Designing - 2	
Language	English	
Compulsory/Elective	Compulsory	
Textbooks and course materials	1. Architects, A. I. O., & Hedges, K. E. (2017). <i>Architectural Graphic Standards</i>. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 3. Edwards, B. (2009). <i>Libraries and learning resource centres</i>. 4. Iyengar, K.(2015). <i>Sustainable Architectural Design:An Overview</i> (1sted.). Routledge. 5. Karlen, M., & Fleming, R. (2016). <i>Space Planning Basics</i>. John Wiley & Sons. 6. Keeping, M., & Shiers, D. (2017). <i>Sustainable building design: Principles and Practice</i>. John Wiley & Sons. 7. Latimer, K., & Niegaard, H. (2007b). <i>IFLA Library Building Guidelines: Developments & Reflections</i>.	
Course description	<i>Architectural Design – 1B</i> 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.	
Course objectives	The objective of the <i>Architectural Design -1B</i> course is to develop students' ability to think critically and creatively through structured design problem-solving. The course aims to strengthen students' skills in conceptual reasoning, abstraction, and visual thinking as essential foundations for architectural practice. It encourages students to explore design as a process, emphasizing experimentation, iteration, and reflection rather than final form alone. Through guided exercises and critiques, students learn to communicate design ideas effectively using models, diagrams, and drawings. The course ultimately supports the development of independent design thinking required for future architectural studios.	

Learning Outcomes		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.	
Teaching methods	Lecture	x	
	Group discussion	x	
	Practical tasks	x	
	Analysis of a practical issues	x	
Evaluation Criteria	Components	Date/Deadline	Percentage (%)
	Attendance		5
	Activity		10
	Quiz 1& Quiz 2		20
	Midterm exam		30
	Final exam		35
	Total		100

Class Policy

Quiz 1& Quiz 2:

Throughout the semester, students will participate in **unannounced quizzes**, , 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. **Make-up opportunities will only be granted in cases of documented excused absences provided within a week.**

Activity:

This assessment component is designed to monitor students' progress on their semester-long project. Each student is required to come to class each week prepared and present the current stage of their project to the instructor, as well as individually implement any suggested changes to the project presented during class. If the student demonstrates satisfactory progress and is able to actively continue the project process during class, 1 point is awarded for the activity for that week. This continuous assessment encourages students to work consistently throughout the semester, while the parallel application of newly acquired knowledge to the project supports the consolidation and practical reinforcement of learning outcomes.

Attendance:

The maximum score for class attendance is 5 points. Full attendance throughout the semester is awarded the maximum score of 5 points, with 1 point deducted for every two classes missed. If a student's total absences exceed 25% of the total scheduled classes for the course, regardless of the reason, the student will not be admitted to the examination session, and an appropriate academic decision will be taken in accordance with university regulations.

Midterm Exam:

The midterm exam is a formal evaluation of students' coffee shop design project, assessing both the conceptual framework and technical development. All required architectural drawings must be completed before the exam and submitted for review by an assigned exam committee. During the exam, students will present their design concept and ideas, demonstrating how their project responds to spatial, functional, and architectural challenges. Alongside the conceptual explanation, students must submit a set of hand-drawn architectural drawings, including plans, at least one section cut, and elevations ensuring clarity, proper scale, and accurate annotations. The committee will assess the work based on design coherence, spatial organization, technical precision, and graphic representation standards.

Evaluation criteria for midterm exam:

• Idea solution	5
• Graphics	5
• Technical drawings	15
○ <i>Plans</i>	<i>5</i>
○ <i>Sections</i>	<i>5</i>
○ <i>Elevations</i>	<i>5</i>
• Site plan	5
Total	30

Final exam:

The final exam is a comprehensive assessment of the coffee shop project, evaluating the full architectural proposal through both conceptual and technical development. All required hand-drawn architectural drawings must be completed and presented in a professionally composed layout on boards. During the exam, students will submit their finalized design concept, demonstrating how their architectural vision integrates spatial, structural, and environmental considerations. The exam committee will evaluate submissions based on design coherence, technical accuracy, graphic representation, and overall presentation quality.

Evaluation criteria for final exam:

• <i>Model</i>	<i>20</i>
• <i>Board design</i>	<i>5</i>
• <i>Site plan</i>	<i>10</i>
<i>Total</i>	<i>35</i>

Note: All tasks' scanned versions should be submitted through the **Microsoft Teams assignment section** by the deadline specified by the instructor. **Late submissions will not be accepted unless officially excused.**

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:

Students are expected to comply with the University's internal disciplinary regulations. The use of mobile phones during class sessions is not permitted.

Tentative Schedule			
Week	Date/Day (tentative)	Topics	Textbook/Assignments
1	21.09.2026 21.09.2026	Acquaintance with the syllabus and assignments Understanding program requirements Overview of architectural considerations in library design Introduction: What is a library? Historical development and modern functions • Purpose of Design Manual • General Design Criteria • Organization of Design Manual	1. Karlen, M., & Fleming, R. (2016). <i>Space Planning Basics</i> . John Wiley & Sons. 2. Edwards, B. (2009). <i>Libraries and learning resource centres</i> . 3. Latimer, K., & Niegaard, H. (2007b). <i>IFLA Library Building Guidelines: Developments & Reflections</i> .
2	28.09.2026 28.09.2026	Analyzing site conditions: topography, climate, infrastructure Analyzing site conditions: topography, climate, infrastructure	1. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 2. Karlen, M., & Fleming, R. (2016). <i>Space Planning Basics</i> . John Wiley & Sons. 3. Edwards, B. (2009). <i>Libraries and learning resource centres</i> . 4. Latimer, K., & Niegaard, H. (2007b). <i>IFLA Library Building Guidelines: Developments & Reflections</i> .
3	05.10.2026 05.10.2026	Types of libraries (public, academic, school, children's, specialized, etc.) • Regional Libraries • Community Libraries Developing a design narrative Concept sketching	1. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 2. Karlen, M., & Fleming, R. (2016). <i>Space Planning Basics</i> . John Wiley & Sons. 3. Edwards, B. (2009). <i>Libraries and learning resource centres</i> . 4. Latimer, K., & Niegaard, H. (2007b). <i>IFLA Library Building Guidelines: Developments & Reflections</i> .
4	12.10.2026	Circulation & Spatial Organization Functional zoning: entry, reading, administration, storage, etc.	1. Architects, A. I. O., & Hedges, K. E. (2017). <i>Architectural Graphic Standards</i> . John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley.

	12.10.2026	Circulation & Spatial Organization Functional zoning: entry, reading, administration, storage, etc.	3. Karlen, M., & Fleming, R. (2016). <i>Space Planning Basics</i> . John Wiley & Sons. 4. Edwards, B. (2009). Libraries and learning resource centres. 5. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
5	19.10.2026	Circulation flow optimization	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Karlen, M., & Fleming, R. (2016). Space Planning Basics. John Wiley & Sons. 4. Edwards, B. (2009). Libraries and learning resource centres. 5. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
	19.10.2026	Circulation flow optimization	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Karlen, M., & Fleming, R. (2016). Space Planning Basics. John Wiley & Sons. 4. Edwards, B. (2009). Libraries and learning resource centres. 5. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
6	26.10.2026	Detailed drawing techniques, technical library requirements, comprehensive explanation related to technical drawing of architectural elements – plan	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
	26.10.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – plan	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
7	02.11.2026	Detailed drawing techniques, technical library requirements comprehensive explanation related to technical drawing of architectural elements – section	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
	02.11.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – section	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). Introduction to Architecture (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.

			Guidelines: Developments & Reflections.
8	09.11.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – elevation	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
	09.11.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – elevation	
9	16.11.2026	Midterm Exam	
	16.11.2026		
10	23.11.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – site plan	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley.
	23.11.2026	Detailed drawing techniques, comprehensive explanation related to technical drawing of architectural elements – site plan	
11	30.11.2026	Facade Design & Material Selection Architectural expression through facade treatment Selecting cladding materials suitable for library use Sustainability and durability considerations	1. Keeping, M., & Shiers, D. (2017). Sustainable building design: Principles and Practice. John Wiley & Sons. 2. Iyengar, K.(2015). <i>Sustainable Architectural Design:An Overview</i> (1sted.). Routledge. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
	30.11.2026	Facade Design & Material Selection Architectural expression through facade treatment Selecting cladding materials suitable for library use Sustainability and durability considerations	
12	07.12.2026	Facade Design & Material Selection Architectural expression through facade treatment	1. Keeping, M., & Shiers, D. (2017). Sustainable building

	07.12.2026	Selecting cladding materials suitable for library use Sustainability and durability considerations Facade Design & Material Selection Architectural expression through facade treatment Selecting cladding materials suitable for library use Sustainability and durability considerations	design: Principles and Practice. John Wiley & Sons. 2. Iyengar, K.(2015). <i>Sustainable Architectural Design:An Overview</i> (1sted.). Routledge. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
13	14.12.2026	Finalizing architectural drawings (site plan, floor plans, sections, perspective views, model) Finalizing architectural drawings (site plan, floor plans, sections, perspective views, model)	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
14	21.12.2026	Finalizing Drawings & Presentation Techniques Creating architectural boards (site plan, floor plans, sections, perspective views, model) Finalizing Drawings & Presentation Techniques Creating architectural boards (site plan, floor plans, sections, perspective views, model)	1. Architects, A. I. O., & Hedges, K. E. (2017). Architectural Graphic Standards. John Wiley & Sons. 2. D.K. Ching, F., & F. Eckler, J. (2012). <i>Introduction to Architecture</i> (1st ed.). Wiley. 3. Edwards, B. (2009). Libraries and learning resource centres. 4. Latimer, K., & Niegaard, H. (2007b). IFLA Library Building Guidelines: Developments & Reflections.
15	28.12.2026	Finalizing presentation board design.	
	28.12.2026	Finalizing presentation board design.	
Final Exam			

