

General Information	Subject name, code and number of credits	ARCH 115 BASICS OF DESIGNING - 1 6 AKTS
	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	<ol style="list-style-type: none"> 1. "Architectural Composition" by Rob Krier-1991 2. "Architectural Drawing" A Grenfell-Baines Institute of Architecture Year One Guide -2016 /James Dyson 3. "Understanding Construction Drawings",Fifth Edition/Mark W. Huth- 2010 4. The Architecture Reference & Specification Book. Julia McMorrough 2013 5. "UnderstandingArchitectureIts" Elements, History, and Meaning /Leland M. Roth And Amanda C. Roth Clark . New York – 2018 6. "A Simple Introduction to Architecture" Tomasz E. Malec / 2019 7. "Vitruvius : the ten books on architecture" by Vitruvius Pollio -1914 8. "Architectural Styles" A Visual Guide. Owen Hopkins -2014. 9. Nağıyev N.H., Abbasova Ş.A.. Ağamalıyeva İ. və Məmmədhanova L.İ. "Layihələndirmənin əsasları" dərslik. Bakı-2014; 10. Mikayılova M.N., Tağıyeva V.A Memarlıq kompozisiyasının əsasları.Metodik vəsait. Bakı. 2005; 11. Степанов А.В. Объемно-пространственная композиция: учебное пособие, М. 2003; 	
Course description	<p>Projecting- The study of the subject by the student consists of a theoretical and experimental part that explains the concept of design categories and principles. The content of the teaching of the subject is the system of creating the object and project of volume-space composition. This subject will introduce students to architecture, as well as demonstrate the basic concepts and principles of design through practical exercises.</p>	
Course objectives	<p>The purpose of studying the subject is to get acquainted with the specialty of architecture and to form the concept of volume and space.</p> <p>At the same time, the subject lays the foundation for students to acquire a number of practical knowledge about architecture. This subject is focused on the study of compositional means of architecture: volume and space, the main architectural elements</p>	

	<p>of buildings and their forms, proportions, scale, methods of harmony, etc. .</p> <p>The main method of designing is the method of performing practical design work. Such work in architecture includes work on architectural graphics, composition and design fundamentals. The most important task of the subject is to develop the volumetric-spatial concept that allows future architects to design architectural compositions and understand drawings.</p>		
Results of teaching (learning).	<p>As a result of studying the subject, students should know:</p> <ul style="list-style-type: none"> • The concept of volume -space; • To apply the spatial volume approach method; • The main architectural elements of the building; • Orthographic projection; • Solutions and methods of complex approach to the project; • Design graphics and standards in project drawings; • Modern and nature-oriented methods in architectural composition; • To participate in data collection in the first phase of the project; • Methods of presentation with sketches and illustrations in search of architectural ideas. <p>they should be able to:</p> <ul style="list-style-type: none"> • To design an architectural composition; • Reading and understanding drawings; • Prepare the project step by step based on the assigned task; • Presenting the project freely; • Preparation of the model of the 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 exercises	Practical exercises are done to improve the knowledge and skills students have learned during lectures.	
	Analysis of a practical issue	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.	
Assessment	Components	Date/deadline	Components
	Presentation (research)		15
	Attendance		5
	Activity		15
	Midterm exam		25
	Final exam		40
	Conclusion		100
	<p>Task</p> <p>It will be given by the subject teacher once per semester on topics that will be mainly applied practically. Students should prepare the assignment individually and present it in class. Depending on the content, assignments will be required in graphic and mock-up form.</p> <p>It will be evaluated in the midterm (25 points) and final (40 points) exam.</p> <p>The practical assignment must be submitted by the student in A3 format and in mockup for the midterm exam, and the practical assignment for the Final exam must be submitted</p>		

Rules (Teaching policy and conduct)

on a 50x50 tablet and in mockup format. The purpose of these tasks is to help future architects to develop the concept of volume and space and to prepare and present architectural drawings freely.

The assignment must be submitted before the Midterm exam. The task is evaluated out of 20 points. No additional time is allowed to submit after the last week of classes. The students' practical assignment is scheduled on the day of the exam, and the evaluation is conducted by the commission appointed by the department.

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.
- 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.
 - 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 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.

Table (subject to change)

Week	Date	Topics of the subject	Tutorial/Assignments
1.	18.09.2024	What is design in architecture, its purpose and stages;What is architectural composition?	1. Lecture topics 2. “Architectural Composition” by Rob Krier-1991/ p.10÷18 3. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.2
	18.09.2024	<ul style="list-style-type: none"> Drawing search sketches using simple geometric figures on an A4 sheet based on the topic; 	
2.	25.09.2024	Types of project drawings: plan and master plan;Symmetry, dissymmetry and asymmetry in composition.	1. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.8÷24 2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.1÷15
	25.09.2024	<ul style="list-style-type: none"> Drawing up a plan based on a cubic figure; Drawing up a master plan drawing on a plane based on a cube figure; Designing a symmetrical composition based on simple geometric figures; Drawing up a dissymmetrical composition based on simple geometric figures; Designing an asymmetric composition based on simple geometric figures; 	
		Types of project drawings: section;	1. “Understanding Construction

3.	02.10.2024	Principles of harmony and similarity in composition.	Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.45
	02.10.2024	<ul style="list-style-type: none"> • Making a cross-sectional drawing based on a cube figure; • Designing a composition based on geometric or abstract forms; 	2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.16÷17
4.	09.10.2024	Types of project drawings: facade Principles of contrast and nuance in composition.	1. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.35
	09.10.2024	<ul style="list-style-type: none"> • Making a facade drawing based on a cube figure; • Creating a nuanced composition based on geometric or abstract forms; • Designing a contrasting composition in terms of color and texture;. 	2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.15
5.	16.10.2024	Concept of scale in designing; Rhythm and meter in composition.	1. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.15
	16.10.2024	<ul style="list-style-type: none"> • Making a drawing in different scales based on the cube figure; • Drawing up a rhythmic and metrical composition based on simple geometric figures; • Making simple project drawings to scale 	2. 2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.4 3. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. Roth And Amanda C. Roth Clark . New York - 2018 /p.75÷79
6.	23.10.2024	Dynamics and statics of form in composition.	1. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. RothAnd Amanda C. Roth Clark . New York - 2018. Part 2
	23.10.2024	<ul style="list-style-type: none"> • Designing a dynamic and static composition based on simple geometric figures; 	
		Axanametry in the project	1. “Architectural Drawing” A

7.	30.10.2024 30.10.2024	<ul style="list-style-type: none"> • Drawing up a sketch of the depth-space composition based on simple geometric figures; • Making simple project drawings 	Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.19
8.	06.11.2024 06.11.2024	<p>Axes and dimension lines in project drawings</p> <hr/> <ul style="list-style-type: none"> • Drawing up simple project drawings with axes and dimension lines 	1. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.15
9.	13.11.2024	Midterm exam	
10.	20.11.2024 20.11.2024	<p style="text-align: center;">The main elements of the building</p> <hr/> <ul style="list-style-type: none"> • Preparation of plan and master plan according to the given task 	1. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. RothAnd Amanda C. Roth Clark . New York - 2018. p.33 2. The Architecture Reference & Specification Book. Julia McMorrough 2013 p.186
11.	27.11.2024 27.11.2024	<p style="text-align: center;">Styles in architecture</p> <hr/> <ul style="list-style-type: none"> • Preparation of a cut line according to the given task 	1. “Architectural Styles” A Visual Guide. Owen Hopkins -2014.
12.	04.12.2024 04.12.2024	<p style="text-align: center;">Searching for form through sketches and illustrations</p> <hr/> <ul style="list-style-type: none"> • Preparation of the facade drawing according to the given task 	1. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.19
13.	11.12.2024 11.12.2024	<p style="text-align: center;">Technical and functional requirements for buildings</p> <hr/> <ul style="list-style-type: none"> • Preparation of the model 	1. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. RothAnd Amanda C. Roth Clark . New York - 2018. p.21
	18.12.2024	Trends of the new era in architecture	1. Lecture topics

14.	18.12.2024	<ul style="list-style-type: none"> • Inspection of works. 	
15.	25.12.2024	Presentation of final projects	
	25.12.2024	<ul style="list-style-type: none"> • Completion and acceptance of works. 	
Final exam			

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