

General Information	Subject name, code and number of credits	ARCH 115, Basics of Designing–1, 6 AKTS
	Department	Architecture and Design Department
	Program	Bachelors
	Academic semester	Fall 2025
	Subject teacher	Ilaha Tahmazli
	E-mail:	ilaha.tahmazli@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 Drawing” A Grenfell-Baines Institute of Architecture Year One Guide -2016 /James Dyson 2. “Understanding Construction Drawings”,Fifth Edition/Mark W. Huth-2010 3. The Architecture Reference & Specification Book. Julia McMorrough 2013 4. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. Roth And Amanda C. Roth Clark . New York – 2018 5. “A Simple Introduction to Architecture” Tomasz E. Malec / 2019 6. “Architectural Styles” A Visual Guide. Owen Hopkins -2014. 7. Nağıyev N.H., Abbasova Ş.A.. Ağamalıyeva İ. və Məmmədhanova L.İ. “Layihələndirmənin əsasları” dərslik. Bakı-2014; 8. Mikayılova M.N., Tağıyeva V.A Memarlıq kompozisiyasının əsasları.Metodik vəsait. Bakı. 2005; 9. Степанов А.В. Объемно-пространственная композиция: учебное пособие, М. 2003; 	
Course description	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.	
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 of buildings and their forms, proportions, scale, methods</p>	

	<p>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	+	
	Group discussion	+	
	Practical exercises	+	
	Analysis of a practical issue	+	
Assessment	Components	Date/deadline	Components
	Presentation (research)		15
	Attendance		5
	Activity		15
	Midterm exam		30
	Final exam		35
	Conclusion		100
Rules (Teaching policy and conduct)	<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 (30 points) and final (35 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 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.</p> <p>Midterm exam</p>		

	<p>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.</p> <p>Note: The main conditions to be considered in the evaluation of the Midterm (presentation) and Final (tablet and model) exams:</p> <ul style="list-style-type: none"> - 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 - 30 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 35 points (in case of full fulfillment of the requirements specified in the note) - presentation of the project on a tablet (review) is provided. <p>Attendance</p> <p>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.</p> <p>During mid-term and final exams, students are prohibited from The procedure for completing 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 student with a deficit can take this subject again in the next semester or the next year.</p>
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Table (subject to change)			
Week	Date	Topics of the subject	Tutorial/Assignments
1.		<p>What is design in architecture, its purpose and stages;What is architectural composition?</p> <hr/> <p>Drawing search sketches using simple geometric figures on an A4 sheet based</p>	<ol style="list-style-type: none"> 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

		on the topic;	
2.		Types of project drawings: plan and master plan; Symmetry, dissymmetry and asymmetry in composition. <hr/> 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;	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
3.		Types of project drawings: section; Principles of harmony and similarity in composition. <hr/> Making a cross-sectional drawing based on a cube figure; Designing a composition based on geometric or abstract forms;	1. “Understanding Construction Drawings”, Fifth Edition/Mark W. Huth- 2010 / p.45 2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.16÷17
4.		Types of project drawings: facade Principles of contrast and nuance in composition. <hr/> 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;.	1. “Understanding Construction Drawings”, Fifth Edition/Mark W. Huth- 2010 / p.35 2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.15
5.		Concept of scale in designing; Rhythm and meter in composition. <hr/> 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	1. “Understanding Construction Drawings”, Fifth Edition/Mark W. Huth- 2010 / p.15 2. 2. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.4 3. “Understanding Architecture Its”

			Elements, History, and Meaning /Leland M. Roth And Amanda C. Roth Clark . New York - 2018 /p.75÷79
6.		Dynamics and statics of form in composition. <hr/> Designing a dynamic and static composition based on simple geometric figures;	1. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. RothAnd Amanda C. Roth Clark . New York - 2018. Part 2
7.		Axanametry in the project <hr/> Drawing up a sketch of the depth-space composition based on simple geometric figures; Making simple project drawings	1. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.19
8.		Midterm exam	
9.		Axes and dimension lines in project drawings <hr/> Drawing up simple project drawings with axes and dimension lines	1.“Understanding Construction Drawings”,Fifth Edition/Mark W. Huth- 2010 / p.15
10.		The main elements of the building <hr/> 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.		Styles in architecture <hr/>	1. “Architectural Styles” A Visual Guide. Owen Hopkins -2014.

		Preparation of a cut line according to the given task	
12.		Searching for form through sketches and illustrations	1. “Architectural Drawing” A Grenfell-Baines Institute of Architecture Year One Guide - 2016 /James Dyson/p.19
		Preparation of the facade drawing according to the given task	
13.		Technical and functional requirements for buildings	1. “UnderstandingArchitectureIts” Elements, History, and Meaning /Leland M. RothAnd Amanda C. Roth Clark . New York - 2018. p.21
		Preparation of the model	
14.		Trends of the new era in architecture	1. Lecture topics
		Inspection of works.	
15.		Presentation of final projects	
		Completion and acceptance of works.	
Final exam			

Təsdiq edir: Dos. Abbasova Ş.A.

Memarlıq və dizayn departamentinin müdiri