Identification	Subject name	ARCH222 Application Software-2 (Autodesk AutoCAD), 6 ECTS
	Department	Architecture and Design Department
	Program (Undergraduate, Graduate)	Undergraduate
	Academic semester	Fall 2025
	E-mail:	nigar.abdullayeva@khazar.org
	Classroom/hours	Khazar University, Neftchilar campus
Prerequisites	-	
Language	English	
Compulsory/Elective	election	
Textbooks and course materials	1. AutoCAD Architecture 2011 User's Guide, March 2010, Autodesk 2. Tutorial Guide to AutoCAD 2018 2D Drawing, 3D Modeling, SDC publications 3. AutoCAD 3D Tutorials, 3D Tutorials by Kristen S. Kurland, 2012 4. Video resurce: AutoCAD for Beginners - Full University Course, https://youtu.be/VtLXKU1PpRU?si=ef3YCGttpaYiHXgd	
Course description	The subject is designed to master the possibilities of automating the process of development of design and engineering documents in the AutoCAD graphic environment. At the same time, it teaches to create 2D and 3D models in Design.	
Course objectives	The goals of the course consist of forming the necessary knowledge about the skills that a technical specialist should have in students. The AutoCad program from digital technologies helps the specialist to simplify the procedure of creating projects, simplify 3D modeling and speed up the work process.	
Learning Outcomes	Within the course, the student will master the practical use of Autodesk AutoCAD software and object visualization. While design students gain experience relevant to their major during their studies, teaching these programs will lead to significant development in their post-graduation activities. 1. Can use basic knowledge in the field of work using AutoCAD software; 2. Learning to work with AutoCAD and other versions of the program; 3. Create simple objects in the design, edit them and change their properties; 4. Create new images and use existing drawings in the project; 5. Design, print and manage drawings; 6. Can read and draw technical drawings.	

Teaching methods	Lecture	+
	Group discussion	+
	Practical exercises	+
	Analysis of a practical issue	+

Evaluation Criteria	Components	Date/deadline	Percentage (%)
	Attendance		5
	Activity		15
	Assignment		20
	Midterm exam	TBA	25

		Final exam	TBA	35
		Final		100

Class Policy	**In-class task:** **Seminar:** Tasks will be performed based on the selected topic. In addition to discussing the solution of the tasks with the teacher, the students will also put their theoretical knowledge into practice. Students will present their individual projects at the end of the course. **It will be evaluated in the midterm (25 points) and final (35 points) exam.** **The project must be submitted by the student. The purpose of this assignment is to teach future designers the skills of presenting, doing a little research in a short period of time, and designing.** **The presentation must be submitted during the months of March and April before the midterm exam. No additional time is allowed to submit after the last week of classes.** **Note:** In accordance with the purpose of the subject, the projects must be prepared individually by the student in a AutoCAD program, without plagiarism. **Exception:** If the student informed the dean of the faculty in advance that he/she will not be able to participate in the handover phase of the work 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 will be able to attend after the deadline. Can hand over the work. **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 him. **Exams:** The mid-term exam will be held on subjects taught in March or April (after the project is handed over), and the final exam will be held on subjects taught in May or June (after the project is handed over). **The procedure for completing the subject.** 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. **Rules of conduct of the student.** A student is not allowed to violate the University's internal disciplinary rules and use a mobile phone. It is forbidden to violate the educational process and ethical rules during the lesson. Unauthorized discussions between students are also prohibited during class.

Table (subject to change)

Week	Date	Topics	Textbook/Assignments
1		Introduction to the subject. General understanding of the subject. Practical application of the topics taught during the lesson.	To familiarize students with the basic interface of the program. https://www.youtube.com/watch?v=cAgpDFTHxpY&list=PLe_I-JWckL7FQkOK96farWhoq4Cyn4FJA

2		Duties of tool in panels. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals(Chapter 1) Randi H. Shih p.p.1-27
3		Menus. Toolbars. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals(Chapter 2) Randi H. Shih p.p.2-19
4		2D commands from the "Draw, Modify" panel. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals (Section 1) Randi H. Shih p.p. 1-26;
5		Detailing using 2D commands. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. https://www.youtube.com/watch?v=I58YDIfcRCQ&list=PLe_I-JWckL7FQkOK96farWhoq4Cyn4FJA&index=3
6		"Dimesion" panel and application. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals (Chapter 8) Randi H. Shih p.p. 7-16;
7		"Dimesion" panel and application. Continuation of the process of step-by-step transfer of the 2-story project to the computer using the "Draw, modified" panel.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals (Section 3) Randi H. Shih p.p. 3-26;
8		**Midterm exam**	
9		Step-by-step preparation of layers using the "Layers" panel. Practical application of the topics taught during the lesson.	Starting the process of gradually transferring the 2-story project to the computer using the "Draw, Modifiy" panel. https://www.youtube.com/watch?v=4WXTmjCyrMI&list=PLe_I-JWckL7FQkOK96farWhoq4Cyn4FJA&index=4
10		"Inquiry, Insert, Refedit" panels and application. Practical application of the topics taught during the lesson.	Drawing two-dimensional objects using the command based on the passed theme. AutoCad 2023 Tutorial First Level 2D Fundamentals (Section 11) Randi H. Shih p.p. 9-17
11		Block command and blocking objects. "View,	Drawing two-dimensional objects using the command based on the passed theme.

		visual styles, workspaces" panels. Practical application of the topics taught during the lesson.	AutoCAD 3D Tutorials, 3D Tutorials By Kristen S. Kurland, 2012 p.p 23-29
12		"3D modeling" panel. Practical application of the topics taught during the lesson.	Repetition of previous topics. Drawing two-dimensional objects using a command based on the new topic passed. AutoCAD 3D Tutorials, 3D Tutorials By Kristen S. Kurland, 2012 p.p 2-17
13		3D processing of the object. Practical application of the topics taught during the lesson.	Drawing three-dimensional objects. AutoCAD 3D Tutorials, 3D Tutorials By Kristen S. Kurland, 2012 p.p 30-35
14		Drawing of the plan based on the given dimensions using the commands passed.	Drawing two-dimensional objects using the command based on the passed theme.
15		Drawing of the plan based on the given dimensions using the commands passed. Completed plan. To complete the plan for printing.	Drawing two-dimensional objects using the command based on the passed theme.
Final exam				

Təsdiq edir: <u>Dos. Abbasova Ş.A.</u>
                Memarlıq və dizayn departamentinin müdiri