Identification	**Department**	School of Engineering and Applied Sciences	
	Program	Bachelor	
	Subject	Engineering Drawings (AutoCAD)	
	Term	Spring, 2018	
	Instructor	Zumrud Bayramova	
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	Phone:	051-704-85-88	
Prerequisites			
Language	English		
Compulsory/Elective	Compulsory		
Text books and course materials	Course materials are prepared by the teacher. 1. Engineering drawing, Zumrud Vaqifqizi, Baku. 2. http://www.arch.virginia.edu/computing/training/online/pdf/CAD%20Tutorial-Fangfang-110227.pdf 3. AutoCad 2014, Zumrud Vaqifqizi, Baku.		
Teaching methods	**Case analysis**		x
	Group discussion		
	Lab		x
	Lecture		x
	Course paper		x
	Others		
Evaluation Criteria	**Methods**	**Date/deadlines**	**Percentage (%)**
	Midterm Exam		30
	Case studies		
	Class Participation		10
	Quizzes		20
	Project		
	Presentation		
	Laboratory Work (Assignments)		
	Final Exam		40
	Other		
	Total		100%
Course objectives	✓ Learning architecture drawing ✓ To read and work construction drawings ✓ Sheet Planning and Dimensioning ✓ Assembly Drawing and standard Part Drawing ✓ Drawing instruments and usage		
Learning outcomes	At the end of the course, students will be able to: ❖ Be familiar with drawings ❖ Understand the importance of Engineering Drawing ❖ Demonstrate the use of different drawing instrument ❖ Make free hand lettering and numbering ❖ Practice of dimensioning of drawing ❖ Take up different orthographic projections. ❖ Draw sectional views, development of surface of different solids. ❖ Prepare 2D engineering drawing using AutoCAD software		
Course outline	This lesson aims to teach main architectural structures • Drawing is the language of engineers, by studying this course engineering and petroleum students will eventually be able to prepare drawings of various objects being used in technology • Engineering Drawing • Knowledge of engineering drawing instruments • Understanding and interpretation of drawings		
Policy	➢ The lessons are based on quite interactive methods. ➢ Each student should take the certain notes within their capabilities. The activity		

	of the student is noted especially. ➢ Teacher`s notes will be introduced to the students after classes. Lessons are conducted in English that's why questions and their answers must be in English.

Tentative Schedule

Week	Date	Topics	Textbook/Assignments
1	14.02.2018	Introduction to AutoCAD, Introduction to Engineering Drawing	
2	21.02.2018	AutoCAD Interface, Workspace AutoCAD, The role of engineering graphics in the development of science.	
3	28.02.2018	Draw Toolbar. Constructor documents.	
4	07.03.2018	Properties Toolbar. Practical Assignments. Drawing tools and means.	
5	14.03.2018	Modify Toolbar. Practical Assignments. The design of drawings.	
6	21.03.2018	Holiday.	
7	28.03.2018	Dimensions Toolbar. Practical Assignments. The main articles. Measurement. Annotate. Text. Formats. Scales, lines, fonts.	
8	4.04.2018	**Midterm exam**	
9	11.04.2018	Leaders Toolbar. Annotation Toolbar. Case Analysis. Basic geometric constructions. Simple and complex connections.	
10	18.04.2018	Layers Toolbar. Practical Assignments. Rachel curves and the rules of their establishment. Projection methods. Simple and complex cutting.	
11	2.05.2018	Block. Groups. Local cutting. Types of axonometric projections. Axonometric projections of details.	
12	09.05.2018	Holiday.	
13	16.05.2018	Tables. Practical Assignments. The collection, fixing and sequences of implementation of the drawing. Utilities. Clipboard. Fixing and unfixing compounds. The description of standard details.	
14	23.02.2018	Construction drawing. Case Analysis. General information on the construction drawing. Layout of a building plan and writing measures.	
15	30.05.2018	Reading the architectural-construction drawing.	
		Final exam	