

<b>Identification</b>	<b>Department</b>	School of Engineering and Applied Sciences	
	<b>Program</b>	Bachelor	
	<b>Subject</b>	Construction machinery and equipment	
	<b>Term</b>	Spring, 2017	
	<b>Instructor</b>	Zumrud Bayramova	
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<b>Prerequisites</b>			
<b>Language</b>	English		
<b>Compulsory/Elective</b>	Compulsory		
<b>Text books and course materials</b>	Course materials are prepared by the teacher. 1. Construction machinery, Zumrud Vaqifqizi, Baku. 2. Construction equipment, Zumrud Vaqifqizi, Baku.		
<b>Teaching methods</b>	<b>Case analysis</b>		X
	<b>Group discussion</b>		
	<b>Lab</b>		X
	<b>Lecture</b>		X
	<b>Course paper</b>		X
	<b>Others</b>		
<b>Evaluation Criteria</b>	<b>Methods</b>	<b>Date/deadlines</b>	<b>Percentage (%)</b>
	<b>Midterm Exam</b>		30
	<b>Case studies</b>		
	<b>Class Participation</b>		10
	<b>Quizzes</b>		10
	<b>Activity</b>		
	<b>Presentation</b>		10
	<b>Laboratory Work (Assignments)</b>		
	<b>Final Exam</b>		40
	<b>Other</b>		
<b>Total</b>		100%	
<b>Course objectives</b>	✓ Learning construction machinery		
<b>Learning outcomes</b>	At the end of the course, students will be able to: Understand the importance of Construction machinery and equipment Be familiar with the construction machines Demonstrate the use of different machines in buildings Develop the concept of Construction machinery		
<b>Course outline</b>	This lesson aims to teach main construction machinery and equipment		
<b>Policy</b>	<ul style="list-style-type: none"> <li>➤ The lessons are based on quite interactive methods.</li> <li>➤ Each student should take the certain notes within their capabilities. The activity of the student is noted especially.</li> <li>➤ Teacher`s notes will be introduced to the students after classes.</li> </ul> <p>Lessons are conducted in English that`s why questions and their answers must be in English.</p>		
<b>Tentative Schedule</b>			
<b>Week</b>	<b>Date</b>	<b>Topics</b>	<b>Textbook/Assignments</b>
1	15.02.2016	Introduction to Construction machinery and equipment	
2	22.02.2016	Construction vehicles used in industrial and civil engineering	
3	01.03.2016	Mechanization of technological processes and role of vehicles in these cases	
4	15.03.2016	Classification of Construction vehicles. The structural scheme of construction vehicles	
5	29.03.2016	Power Equipment . Technical and economic indicators of construction vehicles	
6	05.04.2016	Vehicles for groundwork: concrete - solution equipment	

7	12.04.2016	Loading equipment, its designation and classification	
8	19.04.2016	<b>Midterm exam</b>	
9	19.04.2016	Construction cranes, means of transport, automobiles, loading and unloading vehicles	
10	26.04.2016	Use of specialized transport vehicles depending on the type and purpose of transporting cargo, use of special auto layers to transport pipes.	
11	03.05.2016	Joining of farm transport to automobile quads. Cargo vehicles	
12	10.05.2016	Transportation of piers and piles. Barges, ferry and their structures and operating principles	
13	17.05.2016	Special floating cranes. Loading vehicles used in ships.	
14	24.05.2016	Shipbuilding plants and ports. Special facilities for cargo operations in the sea	
15	31.05.2016	Equipment for piles	
		<b>Final exam</b>	