

SYLLABUS

Basic data of the subject			
University/Faculty:	University of Applied Sciences in Ferizaj/ Faculty of Engineering and Informatics		
Title of the subject:	Statics		
Level:	Bachelor		
Course Status:	Core		
Year of studies:	I		
Number of hours per week:	4		
Value of Credits - ECTS:	6		
Course lecturer:	Inxh. i dipl. Halit Mehmeti		
Course details:	Kabineti halit.mehmeti@ushaf.net		
Course description			
	<p><i>This course will introduce students to the rudiments of statics, static axioms, force, graphostatics, the center of gravity in lines and surfaces, trusses, space loads, and friction.</i></p> <p><i>All these lessons will enable students to give dimensions depending on the load.</i></p>		
Objectives of the course:			
	<p><i>Introduce students to the rudiments of technical mechanics, force, types of force, momentum force, and axis.</i></p>		
Expected learning outcomes:			
	<ul style="list-style-type: none"> - <i>Be familiarized with problems of understanding force</i> - <i>Understand the notion of momentum force and axis.</i> - <i>Use the conditions of equilibrium when solving problems</i> - <i>Be able to differentiate between various kinds of supporters.</i> 		
Contribution to the student load (which must correspond with learning outcomes)			
Activity	Hour	Day/Week	Total
Lectures	2	15	30
Theoretical exercises / laboratory	2	15	30
Internship	1	4	4
Contacts with teacher / consultations	1	15	15
Field exercises	-	-	-
Midterm, seminars and projects.	2	2	4
Homework	1	15	15

Self-learning time (at the library or at home)	2	15	30
Final preparation for the exam	1	13	13
Time spent on evaluation (tests, quiz and final exam)	1	4	4
Projects and presentations	1	5	5
Total			150
Teaching methodology:			
	<i>Lectures, seminars, discussions, graphic assignments and experience in enterprise</i>		
Assessment methods:			
	Mid-term exam, graphic assignments, attendance and final exam		
Literature			
Basic literature:	I. Prof.dr.Xhevat Perjuci „Mekanika teknike”, Universiteti i Prishtinës		
Additional literature:	II. Prof.dr.Fetah Jagxhiu,, Përmbledhje detyrash nga mekanika teknike”,Prishtinë III. Prof.dr.Fehmi Krasniqi „Detyrat grafike nga statika“, Prishtinë. IV. S.M.Targ „Kratki kurs teoriqeske mehanike“, Moska. V. Prof. Vlatko Doloqek, Hajrudin Pashiq, B.Shipovac „Zbirka Rjesenih zadataka iz mehanike“, Sarajevo. VI. Dr. Davorin Bazjanac „Rjeseni zadaci iz tehnicke mehanike“, Zagreb.		
Designed learning plan:			
Week:	Lectures and exercises to be held		
Week one:	<i>Introduction. Force and vectors. (from literature I)</i>		
Week two:	<i>The system of solid forces. (from literature I)</i>		
Week three:	<i>Momenti i forcës për pikë.</i> (nga literatura I)		
Week four:	<i>Parallel coplanar forces. (from literature I)</i>		
Week five:	<i>Arbitrary forces on a flat surface. (from literature I)</i>		
Week six:	<i>Graphic statics. (from literature I)</i>		
Week seven:	<i>Ekulibri i mbajtësve në rrafsh.</i> (nga literutura I)		
Week eight:	<i>Ekulibri i mbajtësve në rrafsh.</i> (nga literutura I)		
Week nine:	<i>konzola, Gerber beams.</i> (from literature I)		
Week ten:	<i>Space trusses. (from literature I)</i>		
Week eleven:	<i>Friction. (from literature I)</i>		
Week twelve:	<i>The system of space forces. (from literature I)</i>		

Week thirteen:	<i>The center of gravity. (from literature I)</i>
Week fourteen:	<i>The center of lines and surfaces. (from literature I)</i>
Week fifteen:	<i>Review of the covered materials. (from literature I)</i>

Academic policies and rules of conduct

Regular attendance, participation in discussions, visits to different enterprises are all mandatory.
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