Add. 3		Course program for the first, second and third level (cycle) of studies							
1.	Course title			STRENGTH OF MATERIALS					
2.	Code			166					
3.	Study group(s)			PI, TML, TI, HIMV, MSKI, IIM, MV, EE, MHT, AUS					
4.		nizer of the study program		aculty of Mechanical Engir					
		itute, department)		Ss. Cyril and Methodius Uni	versity in Skopje				
5.		st, second, third)		First					
6.		c year / semester		Summer term 7. ECTS credits 6					
8.	Instructor			Prof. Kocho Angushev, Ph. D. Associate prof. Zlatko Petreski, Ph. D. Associate prof. Viktor Gavriloski, Ph. D.					
9.	Prerequis	sites	/	1					
10.		bjectives (competences):	L.	. '					
	Study of strain-stress condition, understanding basic types of stresses, calculation and design of elements and structures under basic types of stress.								
11.	Course content: Stresses, strain, Hooke's law. One dimensional stress. Stresses from own weight, Temperature stresses and prestressing. Statically indeterminate axial structures. Two-dimensional stress, shear stresses. Torsion, strength calculations for torsion. Bending of simple beam, pure bending and forces bending. Shear stresses. Strength calculations for bending. Elastic deformation for simple beam, the method of superposition for determination of elastic deformations. Deformation of the statically indeterminate beam. Structural stability, Euler's force. Yielding and repture laws, composed stresses. Composed bending with tensile axial force. Composed circular bending. Composed bending with torsion.								
12.	Study methods: interactive lectures, auditory practice and/or labaratory practice, self-running and/or team work projects, self-learning								
14.	Total hou	ocation per activity:		6 ECTS x 30 Hours = 180 Hours 30 + 45 + 0 + 45 + 60 = 180 Hours					
15.	Lectures/		15.1.		30 Hours				
10.	Locialco	Lub	15.2.		45 Hours				
16.	Project Work/Assignments		16.1.		0				
			16.2.	Individual assignments	45 Hours				
				Self-study	60 Hours				
17.		Points/Marks:							
	17.1. T	ests			80 points				
	17.2. P	rojects		15 points					
	17.3. A	ttendance			5 points				
18.	Grading s	scale		Under 50	5 (five) (F)				
	2.44.19	· · -	 	51 - 60 points	6 (six) (E)				
			F	61 - 70 points	7 (seven) (D)				
				71 - 80 points	8 (eight) (C)				
				81 - 90 points	9 (nine) (B)				
				91 - 100 points	10 (ten) (A)				
19.	Prerequis	sites for taking the final exa	am	completed activities 15.1 и 16.2					
20.	•	e of Instruction		Macedonian					
_ U.	Language	- Indoodonari							

21. Course evaluation	Student questionnaire
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22.	Textbooks									
		Instruction materials								
		No.	Author	Title	Publisher	Year				
		1.	Ananie Ilievski Ljubica Todorovska – Azievska Nake Babamov	Strength of materials	Script, Faculty of Mechanical Engineering - Skopje	2004				
	22.1.									
		2.	Kocho Angushev Zlatko Petreski Viktor Gavriloski Goce Tasevski	Strength of materials - exams	Script, Faculty of Mechanical Engineering - Skopje	2008				
		Supplemental Instruction Materials								
		No.	Author	Title	Publisher	Year				
	22.2.	1.								
		2.								
		3.								