

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Power Transmissions			
2.	Code	256			
3.	Study group(s)	TML			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje			
5.	Level (first, second, third)	First			
6.	Academic year / semester	summer	7.	Number of ECTS credits	6
8.	Instructor	Associated professor PhD Petar Simonovski			
9.	Prerequisites	Mechanics - passed Engineering Graphics - passed			
10.	Course objectives (competences): Introduction to the structure, functional and structural characteristics of the elements, assemblies and devices of power transmissions and their proper application.				
11.	Course content: Calculation of the load to be overcome power transmissions and appropriate choice of transmission. Joint operation of the drive motor and transmission. Specificity of planetary, differential, hydrostatic, hydrodynamic and combined transmission.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours	6 ECTS x 30 classes = 180 classes			
14.	Hours allocation per activity:	30 + 30+ 15 + 15 + 90 = 180 classes			
15.	Lectures/Lab	15.1.	Teaching lectures	30 classes	
		15.2.	Practice, seminars, team work	30 classes	
16.	Project Work/Assignments	16.1.	Project assignments	15 classes	
		16.2.	Selfrunning assignments	15 classes	
		16.3.	Home studying	90 classes	
17.	Points/Marks:				
	17.1.	Tests			80 points
	17.2.	Projects			15 points
	17.3.	Attendance			5 points
18.	Grading scale	Under 50			5 (five) (F)
		51 - 60 points			6 (six) (E)
		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.	Prerequisites for taking the final exam	Implemented activities 17.2 and 17.3			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Surveys and other forms of continuous activities			

22.	Textbooks					
	22.1.	Instruction materials				
		No.	Author	Title	Publisher	Year
		1.	Lechner, Naunheimer	Automotive transmissions	Springer	2010
	2.	R. Doddannavar- A. Barnard	Practical hydraulic systems	Elsevier	2005	

		3.				
		Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
	22.2.	1.	David A. Crolla	Automotive Engineering Powertrain, Chassis System and Vehicle Body	BH	2009