Add. 3		**Course program for the first, second and third degree of studies**
1.	Course title	Mechanical transmissions
2.	Code	209
3.	Study group(s)	PI, TML, TI, HIMV, MSKI, IIM, MV, EE, MHT, AUS
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	winter	7.	Number of ECTS credits	6

8.	Instructor	Associated professor PhD Petar Simonovski
9.	Prerequisites	Mechanics - passed Engineering Graphics - passed
10.	Course objectives (competences): Ability of the student - future mechanical engineer for proper selection, use and calculation of mechanical transmissions for power in all types of machines, as well as the process of their design, installation, exploitation and maintenance.	
11.	Course content: Detailed calculation of geometrics, kinematics and strength of friction and gear direct and indirect transmissions. (Belt drives, friction wheels, chain drives, gears whose axes are parallel, intersect and gears whose axes diverge.)	
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 + 30 + 15 + 75 = 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	30 classes
		16.2.	Selfrunning assignments	15 classes
		16.3.	Home studying	75 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				
		Instruction materials			
	22.1.	No.	Author	Title	Publisher	Year
		1.	D. Stamboliev	Machine elements	Faculty of	2008

				book: 3, 4, 5, 6	Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje	
		2.	P. Simonovski, I. Mircheski, N. Avramov	Machine elements - exercises	Internal edition - script	2012
		3.	P. Simonovski, I. Mircheski, N. Avramov, T. Rizov	Instructions for making programming assignments	Internal edition - script	2012
	22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.	Budinas - Nisbett	Shigley's Mechanical Engineering Design	Mc Graw Hill	2010