Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Machine elements			
2.	Code	191			
3.	Study group(s)	PI, TML, TI, HIMV, MSKI, IIM, MV, EE, MHT, AUS, PInf			
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	Statics - passed Engineering Graphics - passed			
10.	Course objectives (competences): Ability of the student - future mechanical engineer for the proper application of the general machine elements in all types of machines, mechanisms and devices as well as the process of their design, installation, exploitation and maintenance.				
11.	Course content: Introduction to the application, function, selection and calculation of general machine elements as: Threaded spindles and bolted connections, pins, bolts, springs, axles, shafts, bearings, couplings, pipes and pipe fittings and general notions of mechanical transmissions - geometry and kinematic of friction and gear transmissions.				
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 + 15 + 30 + 15 + 90 = 180 classes			
15.	Lectures/Lab	15.1.	Teaching lectures		30 classes
		15.2.	Practice, seminars, team work		15 classes
16.	Project Work/Assignments	16.1.	Project assignments		30 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				
		Instruction materials			
	22.1.	No.	Author	Title	Publisher	Year
		1.	D. Stamboliev	Machine elements	Faculty of Mechanical Engineering -	2011

					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