

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Products construction			
2.	Code	120			
3.	Study group(s)	IND			
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	
8.	Instructor	Associated professor PhD Petar Simonovski			
9.	Prerequisites	Materials, technologies and tests – signature Technical mechanics 1 - passed			
10.	Course objectives (competences): Ability of the student - future industrial designer for the proper practical application, selection and installation of appropriate finished parts and assemblies in all products for general use in the process of their design.				
11.	Course content: Application, function, selection and incorporation of general mechanical, hydraulic, pneumatic, electrical, optical and other components that are used in products construction for general use.				
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
1.	Brian S. Elliott	Electromechanical devices and components	McGraw-Hill	2007	

		2.	Robert O. Parmley	Illustrated Source Book of Mechanical Components	McGraw-Hill	2008
		3.				
		Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
	22.2.	1.		Catalogs and brochures from equipment manufacturers for installation in industrial products for daily use		