Add. 3	Course program for the first, second and third level (cycle) of studies			
1.	Course title	Computer modeling and simulation of forging processes		
2.	Code	170		
3.	Study group(s)	PI, P.Inf		
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. ECTS credits	6
8.	Instructor	Prof D-r Atanas Kochov		
9.	Prerequisites	N/A		
10.	Course objectives (competences): Introducing the concept of computer modeling of design processes, application of the software packages for numerical simulation of processes, optimization of processes by designing, analyzing and identification of possible problems during production, design optimization of the processing technologies.			
11.	Course content: Technologies of sheet metal shaping, hot and cold forging processes, computer modeling of machining processes with bending, blanking, drawing sheets, the analysis of stress-strain, optimization of processing technologies, defining parameters of the shaping process.			
12.	Study methods: Interactive lectures, exercises auditory and / or laboratory, individual and / or team working on project assignments, self-study.			
13.	Total hours	6 ECTS x 30 hours = 180 hours		
14.	Hours allocation per activity:	30 + 30 + 30 + 30 + 60 = 180 hours		
15.	Lectures/Lab	15.1.	Lectures	30 hours
		15.2.	Lab (student work)	30 hours
16.	Project Work/Assignments	16.1.	Project assignments	30 hours
		16.2.	Individual assignments	30 hours
		16.3.	Self-study	60 hours
17.	Points/Marks:			
	17.1.	Tests		70 points
	17.2.	Projects		20 points
	17.3.	Attendance		10 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	Realized activity 17.2		
20.	Language of Instruction	Macedonian		
21.	Course evaluation	Student questionnaire		

22.	Textbooks				
	22.1.	Instruction materials			
		No.	Author	Title	Publisher	Year

		No.	Author	Title	Publisher	Year
		1.	A. Kochov, J. Caloska	Computer modeling and simulation of forging processes	Intern script, Faculty of Mechanical Engineering - Skopje	2005
		2.				
		3.				
	22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.	A.Saxena, B. Sahay	Computer Aided Engineering Design	Oxford	2003
		2.				