Add	. 3	Course program for the first, second and third level (cycle) of studies									
4	Course titl	_		Ma							
1.	Course title			Manufacturing technologies							
2.	Study group(s)			279 DI TML TI HIMV MSKI IIM MV EE MHT AUS							
0.					IND, DK						
4.	The organ	izer of the study program	gram Faculty of Mechanical Engineering - Skopje,								
F		ute, department)		Ss. Cyril and Methodius University in Skopje							
о. 6	Level (IIIst	, second, third)		Winter 7 ECTS credits 6							
0. 8	Instructor	year / semester		Prof D-r Atanas Kochov							
0.	manuctor	Prof D-r Valentina Gecevska									
9.	Prerequisites				N/A						
10.	Course objectives (competences):										
	To gain knowledge of the machines, tools and manufacturing technologies for the metal processing industry.										
11.	Course content: Introducing the concept and structure of production systems and processes, the study of metal processing production technologies by metal cutting, plastic deformation and unconventional processing procedures. Introducing the characteristics of competitive engineering. Technological features of classical and numerical controlled machines, types of applied tools and their technological features.										
12.	Study methods: Interactive lectures, exercises auditory and / or laboratory, individual and / or team working on project assignments, self-study.										
13.	Total hours	S		1	6 ECTS x 30 hours =	180 hoi	urs				
14.	Hours allo	cation per activity:			30 + 30 + 20 + 20 + 8	0 = 180	hours				
15.	Lectures/Lab 15		15.1	1. Lectures			30 hours				
10	Designation		15.2	2. La	b (student work)		30 hours				
16.	Project vvc	Project Work/Assignments 1		1. Project assignments		20 hours					
			16.2	2. Inc	dividual assignments		20 hours				
			16.3	3. Se	lf-study		80 hours				
17.	Points/Mar	ˈks:						1			
	17.1. Te	sts					70 points				
	17.2. Projects						20 points				
	17.3. Att	endance					10 points				
18.	Grading so	cale		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 (nir		9 (nine) (B	5)			
				91 - 100 points 10 (ten) (A			.)				
19.	19. Prerequisites for taking the final exam Realized activity 17.2										
20.	Language	of Instruction		Macedonian							
21.	. Course evaluation Student questionnaire										
22.	. Textbooks										
	Instruction materials										
	22.1.	No. Auti	hor		Title		Publisher	Yea			

		1.	S. Kalpakian	Manufacturing Engineering and Technology	Pearson, USA	2009				
		2.	V. Gecevska, A. Kochov	ManufacturingTechnology	Intern Script Faculty of Mechanical Engineering - Skopje	2007				
		3.	Lj. Dudeski, J. Caloska	Unconventional Manufacturing Process	Internal script, Faculty of Mechanical Engineering - Skopje	2010				
		Supplemental Instruction Materials								
	22.2.	No.	Author	Title	Publisher	Year				
		1.	Ostwald Ph., Munoz J.	Manufacturing processes and systems	J.Wiley& Sons, USA	2005				
		2.								