Add	. 3	Course program	n for t	the first, s	econd and	thir	d degree	e of studies			
1.	Course title			Welding technology							
2.	Code			316							
3.		group(s)		MJSE, DS							
4.	The or	ganizer of the study program		Faculty of Mechanical Engineering - Skopje,							
5.				Ss. Cyril and Methodius University in Skopje First							
5. 6.		Level (first, second, third degree) Academic year / semester			winter 7. Number of ECTS 6						
		-		c		credits	OFLOTO	0			
8.	Profes			Prof. Dobre Runchev, Ph.D							
9. 10.											
	Selection, preparation and realization of welding technologies for different metallic materials. Preparation and conducting additional treatment of welded joints. Recognizing of various related welding methods, their basic characteristics and realization.										
11.	Contents of the course program: Introduction to heat processes in basic material, selection of method and optimal regime of welding, welding of steel materials, welding of non-ferrous materials, residual stresses and deformations, Post weld heat treatment and protection of welded joint, welding technology of various structures, basics of related welding methods.										
12.	Study methods: Interactive lectures, auditory and/or laboratory practice, individual and/or team work on project assignments, individual study.										
13.											
14.		Available time assessment			30+30+0+8+112=180 hours						
15.	Educational activity module 15						m		30 hours 30 hours		
				work			ai i i				
16.	Other activity module 16							0 hours			
		16.		. Selfrunning assignments			nts		8 hours		
	16			6. Home	studying	dying		11	2 hours		
17.	Evalua	tion methods	I	I							
	17.1.	Tests					8	0 points			
	17.2.	Projects					10 points				
	17.3.	Activity and participation					10 points				
18.	Evalua	tion criteria (points and marks	s)	Under 50)	5 (five) (F)			
				51 - 60 points			6 (six) (E)				
					61 - 70 p			7 (se	ven) (D)		
				71 - 80 points			8 (eight) (C)				
				81 - 90 points			9 (nine) (B)				
10	Olere t	una and final assessments	un fra	Deel'''	<u>91 - 100 p</u>				(ten) (A)		
19.	•	ure and final exam requireme	nts	Realization of activities 15.1, 15.2 and 16.2							
20.	Language used for performing the Macedonian language teaching										
21.	Method used for following the teaching quality Questioners and other forms of continues evaluatio							luation			
22.	References										

	Main references								
	No.	Author	Title	Publisher	Year				
22.1.	1.	Дончо Чалоски	Технологија на заварување - Скрипта	Машински факултет - Скопје	1984				
	2.	Добре Рунчев	Технологија на заварување - скрипта	Машински факултет - Скопје	1998				
	3.								
	Additional references								
	No.	Author	Title	Publisher	Year				
	1.	Ivan Samardžić	Digitalni udžbenik - Projektiranje tehnologije zavarivanja	Strojarski fakultet, Slavonski Brod	2005				
22.2.	2.	Howard Cary, Scott Helzer	Modern welding technology	Pearson Prentice Hall	2005				
	3.	Joseph Abbott, Karen Mitchell Smith	Welding Technology	Texas State Technical College Publishing	2011				