

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Weldability of metals			
2.	Code	154			
3.	Study group(s)	MJSE, DS			
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 degree)	First			
6.	Academic year / semester	winter	7.	Number of ECTS credits	6
8.	Professor	Prof. Jovan Gochev, Ph.D			
9.	Preconditions for enrolling the course	All basic subjects from the field should be listened			
10.	Purpose of the course program (competences): Prepares the student to define welding technologies for different materials or their combinations. Enables to unify, use and deepen all previous knowledge of materials, welding, quality welds, etc.				
11.	Contents of the course program: State diagrams. Structures of welded joints. Slags. Absorption of gases in the weld. Crack occurrence in welded joints. Samples for weldability. Weldability of different steel materials. Weldability of other metals. Welding for repair.				
12.	Study methods: Interactive lectures, auditory and/or laboratory practice, individual and/or team work on project assignments, individual study.				
13.	Total available time period	6ECTSx30 hours =180 hours			
14.	Available time assessment	30+30+30+10+80=180 hours			
15.	Educational activity module	15.1.	Teaching lectures	30 hours	
		15.2.	Practice, seminars, team work	30 hours	
16.	Other activity module	16.1.	Project assignments	30 hours	
		16.2.	Selfrunning assignments	10 hours	
		16.3.	Home studying	80 hours	
17.	Evaluation methods				
	17.1.	Tests			70 points
	17.2.	Projects			20 points
	17.3.	Activity and participation			10 points
18.	Evaluation criteria (points and marks)		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.	Signature and final exam requirements	All basic subjects from the field should be listened			
20.	Language used for performing the teaching	Macedonian language			
21.	Method used for following the teaching quality	Questioners and other forms of continues evaluation			
22.	References				
	22.1.	Main references			

No.	Author	Title	Publisher	Year
1.	Internal script	Welding metallurgy	Faculty of Mechanical engineering - Skopje	1995
2.				
3.				
Additional references				
No.	Author	Title	Publisher	Year
1.	Завод за заварување, Белград	Материјали и нивно однесување при заварување		2004
2.				
3.				