Add. 3		Cour	Course program for the second level (second cycle - postgraduate) of studies									
1.	Course	title	tle			Water and Waste Water Treatment						
2.	Code				1M6SEE02							
3.	Study group(s)				SEE							
4.	The organizer of the study program			am	"Ss. Cyril and Methodius" University in Skopje,							
	(unit, institute, department)				Faculty of Mechanical Engineering - Skopje							
5.	Level (first, second, third)				Second							
6.	Academic year / semester				V / summer 7. ECTS credits 6						6	
8.	Professor					Assoc. prof. dr. Zoran Markov						
9.	Prerequisites					None						
10.	Course objectives (competences):											
11	Learn how to water treatment works, operation in municipal and industrial treatment plant											
11.	Course content:											
	Water treatment technologies, water quality parameters, waste water treatment, activated sludge										sluage	
12.	processes, water quality laws and regulations Study methods: lectures, lab, project assignments, individual assignments, self-study.											
13.	Total hours Study methods: lectures, lab, project assignments, individual assignments, self-study. 6 ECTS x 30 = 180 hours											
14.	Hours allocation per activity: $30 + 15 + 40 + 30 + 65 = 180 \text{ hours}$											
15.	Lectures/Lab 15									30 hours		
13.				15.						15 hours		
16.	Project Work/Assignments 16								40 hours			
100						3 2						
	16			16.	2. Individual assignments			30 hours				
	16.					3. Self-study			65 hours			
17.	Points/I	Marks:		'								
	17.1. Exams							40				
	17.2. Projects								50			
	17.3.	Attenda	ance								10	
18.	Grading scale					Under 50				5 (five) (F)		
	· ·								(six) (E)			
					61 - 70 points			7 (seven) (D)				
					71 - 80 points			8 (eight) (C)				
					81 - 90 points				9 (nine) (B)			
10						91 - 100 points				10 (ten) (A)		
19.			r taking the final	exam		Activity 16.1						
20.	Langua					glish						
21.		evaluati	on		Stuc	dent que	stionnaire					
22.	Textboo											
	22.1. Instruction materials											
		No.	Author		Title	e	Publisher			Year		

	1.	Lee C.C.	Handbook of	Mc-Graw	2007
			Environmental	Hill	
			Engineering		
			Calculations		
	2.	Kemer F.N.		Mc-Graw	
			The alco Water	Hill	
			Handbook		
22.2.	Supple	mental Instructio	n Materials		
	No.	Author	Title	Publisher	Year
	No. 1.	Author WEF Manual	Title Industrial waste	Publisher WEF	Year 2008
		WEF Manual	Industrial waste	WEF	
		WEF Manual of Practice	Industrial waste water	WEF	