Add. 3		Course program for the second level (second cycle - postgraduate) of studies			
1.	Course title		Fluid Mechanics in Environmental Engineering		
2.	Code		1M5SEE04		
3.	Study group(s)		SEE		
4.	The organizer of the study program (unit, institute, department)		"Ss. Cyril and Methodius" University in Skopje, Faculty of Mechanical Engineering - Skopje		
5.	Level (first, second, third)		Second		
6.	Academic year / semester		V / winter	7. ECTS credits	6
8.	Professor(s)		Prof. dr. Valentino Stojkovski Assoc. prof. dr. Zoran Markov		
9.	Prerequisites		None		
10.	Course objectives (competences): Learn how to analyze fluid flows in environmental engineering, Simulate flows and investigate turbulence and boundary layer problems				
11.	Course content: Concepts of fluid properties, viscous flow analysis, turbulence, boundary layers, computational fluid dynamics				
12.	Study methods: lectures, lab, project assignments, individual assignments, self-study.				
13.	Total hours		6 ECTS x 30 hours = 180 hours		
14.	Hours allocation per activity:		30 + 15 + 40 + 30 + 65 = 180 hours		
15.	Lectures/Lab	15.1.	Lectures (15weeks x 2)		30 hours
		15.2.	Lab (student work)		15 hours
16.	Project Work/Assignments	16.1.	Project assignments		40 hours
		16.2.	Individual assignments		30 hours
		16.3.	Self-study		65 hours
17.	Points/Marks:				
	17.1.	Exams			40
	17.2.	Projects			50
	17.3.	Attendance			10
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		Activity 16.1		
20.	Language		English		
21.	Course evaluation		Student questionnaire		
22.	Textbooks				
	22.1.	Instruction materials			

		No.	Author	Title	Publisher	Year
		1.	Rubin H., Atkinson J.	Environmental Fluid Mechanics	Marcel Dekker Inc.	2001
		2.	Hirsch C.	Numerical Computation of Internal and External Flows: The Fundamentals of Computational Fluid Dynamics	Butterworth-Heinemann	2007
22.2.	Supplemental Instruction Materials					
		No.	Author	Title	Publisher	Year
		1.	White F. M.	Fluid Mechanics	Mc-Graw Hill	2008