

Add. 3		Course program for the first, second and third level (cycle) of studies				
1.	Course title	Management of hydro energetic systems				
2.	Code	201				
3.	Study group(s)	HEWM, ACS, EE				
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)	First				
6.	Academic year / semester	winter	7.	ECTS credits	6	
8.	Instructor	Prof. d-r Zvonimir Kostik				
9.	Prerequisites	Fluid mechanics - passed Turbo machines basics - signature				
10.	Course objectives (competences): Design, management and service of hydro energetic systems (Hydro power plants and pump stations)					
11.	Course content: Getting familiar with the basic characteristics and calculations of hydro mechanical equipment (grills, board, segment, ball, butterfly and cone gates and pressure pipelines). Hydro power plants and pump stations conceptual solutions.					
12.	Study methods: Interactive lectures, practice, individual assignments, self learning.					
13.	Total hours	6 ECTS x 30 classes = 180 classes				
14.	Hours allocation per activity:	30 + 30 + 0 + 20 + 100 = 180 classes				
15.	Lectures/Lab	15.1.	Lectures	30 classes		
		15.2.	Lab (student work)	30 classes		
16.	Project Work/Assignments	16.1.	Project assignments	0 classes		
		16.2.	Individual assignments	20 classes		
		16.3.	Self-study	100 classes		
17.	Points/Marks:					
	17.1.	Tests	80 points			
	17.2.	Projects	0 points			
	17.3.	Attendance	10 + 10 points			
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	None				
20.	Language of Instruction	Macedonian				
21.	Course evaluation	Student questionnaire				
22.	Textbooks					
	22.1.	Instruction materials				
		No.	Author	Title	Publisher	Year
		1.	М. Бабиќ	Хидромашинска опрема	Наша книга, Белград	1996
		2.	Б. Ѓорѓевиќ	Искористување на водна снага	Наша книга Белград	1984
	3.					
22.2.	Supplemental Instruction Materials					
	No.	Author	Title	Publisher	Year	

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