Add. 3 Course program for the second level (second cycle - postgraduate) of studie										
1.	Course title Modern thermal power plants									
2.	Code			1M5SEE01						
3.	Study group(s)			SEE						
4.	The organiz	zer of the study program	"Ss	"Ss. Cyril and Methodius" University in Skopje,						
	(unit, institu	ute, department)	Fac	Faculty of Mechanical Engineering – Skopje						
5.	Level (first,	, second, third)	Sec	Second						
6.	Academic year / semester			V/Winter 7. ECTS credits 6						
8.	Professor			Prof. dr. Slave Armenski						
9.	Prerequisites None									
10.	Course objectives (competences): Profound knowledge of modern facilities that analyze, design, analysis and selection of advanced equipment, technical control, supervision and inspection during construction, exploitation and maintenance, environmental protection									
11.	Course content: Modernization of plants with increased energy efficiency; combined cycle cogeneration plants; plants with triple loop-three generation; plants MHDG; hydrogen as fuel; thermal balances; efficiency coefficient; equipment; economic and environmental aspects									
12.	Study methods:									
13.	Total hours	·		6 ECTS x 30 = 180 hours						
14.	Hours alloc	ation per activity:	1 7 1	30+45+40+30+35=180 hours		rs	20.1			
15.	Lectures/La	ib	15.1.	Lectures (15 week x 2)			30 hours			
16	Ducie et We		15.2.	Lab (student Work)			45 hours			
16.	Project Work/Assignments			Project assignments			40 nours			
	1			Individual assignments			30 hours			
				Self-study			35 hours			
17.	Points/Mar	ks:								
	17.1.	Tests	S			50 points				
	17.2. Projects				50 points					
	17.3.	Attendance					_			
18.	Grading scale			Under 50		5	(five) (F)			
	_			51 - 60 p	ooints	6	5 (six) (E)			
				61 - 70 points		7 (seven) (D)				
				71 - 80 points		8 (eight) (C)				
				81 - 90 points		9 (nine) (B)				
				91 - 100 p	points	10	(ten)(A)			
19.	Prerequisite	es for taking the final exan	1	Accomplished 16.1 and 16.2						
20.	Language]	English						
21.	Course eval	luation		Student questionnaire						
22.	Textbooks									
	22.1. Instruction materials									

		No.	Author	Title	Publisher	Year
			L. Drbal et al.	Power Plant	Black&Veatch,	1996
				Engineering	Chapman&Haal,	
					New York	
		2.	Klas Jonhagen:	"Modern Thermal	Lund University	January,
				Power Plant-		2011,
				Aspects on		Sweden
				Modelling and		
				Evaluation"		
		Supplemental Instruction				
	22.2.	Materials				
		No.	Author	Title	Publisher	Year
		1.	B.W.Wilkinson,	Cogeneration of	CRC Press, Inc,	
			R.W.Barnes	Electricity and	Boca Raton,	
				Useful Heat	Florida	