Add	. 3 Course program	for the	first, second and third lo	evel (cy	cle) of studi	es
1.	Course title	T <b>F</b>	leat generators			
2.	Code		19			
3.	Study group(s)		EE			
4.	The organizer of the study program		aculty of Mechanical Eng	incoring	Skonio	
4.	(unit, institute, department)		Ss. Cyril and Methodius U			
5.	Level (first, second, third)		rirst	iliversity	ііі Зкорје	
				COTO		
6.	Academic year / semester			ECTS ci	eaits	6
8.	Instructor		/asko Sharevski			
9.	Prerequisites	n	10			
10.	Course objectives (competences):					
	Thermal calculations, heat balance plants and systems for heat energy					
11.	Course content:					
	Devices and plants for generation of	of fossil	fuels thermal energy; ther	mo tran	sformation	
	systems; thermo compression; hea					I
	characteristics, natural working me					
	systems in industry and district hea					
	industrial boiler plants; specific des					
	combustion products; systems and					duction
	of sulfur and nitrogen oxides.	- 4	р		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
12.	Study methods: Interactive teachin	a exerc	ises single-handed lesso	ns		
13.	Total hours	g, oxoro	6 ECTS x 30 = 180 c			
14.	Hours allocation per activity:		30 + 30 + 30 + 30 +		) classes	
15.	Lectures/Lab	15.1.		00 10	0 0100000	30
10.	200ta100/2ab	15.2.				60
16.	Project Work/Assignments	16.1.				30
10.	Troject Work/Assignments					
		16.2.	Individual assignments	3		30
		16.3.	Self-study			30
17.	Points/Marks:	<b>I</b>	•			
	17.1. Tests				70	) points
	17.2. Projects				20	) points
	17.3. Attendance		10 points			
18.	Grading scale		Under 50		5 (	five) (F)
	3	-	51 - 60 points	,		(six) (E)
		-	61 - 70 points			en) (D)
			71 - 80 points	_	,	ght) (C)
			81 - 90 points	_		ine) (B)
		-	91 - 100 points			ten) (A)
19.	Prerequisites for taking the final ex	am	no 91 - 100 points		10 (	terry (A)
20.	Language of Instruction	Macedonian language				
20.	0					

22.	Textbooks							
		Instruc	tion materials					
	22.1.	No.	Author	Title	Publisher	Year		
		1.	Vasko Sharevski	Heat generators, printed lectures	MFS	2011		

		2.	Vasko Sharevski	Heat generators, solved examples	MFS	2010		
		3.	Vasko Sharevski	Heating and climatization	MFS	2010		
_		Supplemental Instruction Materials						
	22.2.	No.	Author	Title	Publisher	Year		
		1.	I.Petrovski	Steam Boilers	UKIM	2011		
		2.	ASHRAE Handbook	Systems and Equipment	ASHRAE Atalanta	2004		
		3	А.Ј. Антонов	Тепловое оборудование и тепловие сети	Москва	1988		