Add. 3		Course program for the first, second and third level (cycle) of studies										
1.	Course	title			Compressors and plants							
2.	Code	, titio			174							
3.	Study group(s)				TE							
4.			of the study program		Faculty of Mechanical Engineering - Skopje,							
			department)		Ss. Cyril and Methodius University in Skopje							
5.			cond, third)		First							
6.	Acader	Academic year / semester			winter		lumber o	of ECTS	6			
8.	Instruc	Instructor			Prof. Milan Šarevski Ph.D							
9.	Prereq	uisites			none							
10.	Course objectives (competences): Introduction in compressor and plants; thermodynamic and flow calculations; performance characteristics; control; optimization and design; compressor plants; cooling systems; drying, filtration and storage; design of compressor plants and systems											
11.	Course content: Thermodynamic of compressor processes; Flow processes; Turbocompressors- CFD methods; operating and performance characteristics; optimal design; regulation and control. Compressor plants – piston compressor, turbocompressor, screw compressor; cooling systems, drying, filtration and storage; design of compressor plants; exploitation and maintenance.											
12.	Study r	nethods	: Teaching lectures, a	audito	ry/laboratory practice	e, self/te	eam wo	rk, home stu	ıdding			
13.		Study methods: Teaching lectures, auditory/laboratory practice, self/team work, home studding Total hours 6 ECTS x 30 hours = 180 hours										
14.	Hours	ours allocation per activity: $30 + 30 + 10 + 10 = 180$ hours										
15.	Lecture		,	15.1	. Lectures			3	0 hours			
	<u></u>				2. Lab (student work)			30 hours				
16.	Project	Work/A	ssignments	16.1				30 hours				
				16.2	. Individual assign	30 hours						
				16.3	3. Self-study			60 hours				
17.	Points/	Marks:			l.		L					
	17.1.	Tests			70 p) points				
	17.2.	Droject	e		20 points							
		Projects						·				
	17.3.	Attenda	ance					10 points				
18.	Gradin	g scale				der 50	5 (five) (
					51 - 60				(six) (E)			
					61 - 70			•	ren) (D)			
					71 - 80			8 (eight) (
					81 - 90			9 (nine) (B)				
40	D	.1.14 5	and a later on the Control		91 - 100 points 10 (ten) (
19.	Prereq	uisites fo	or taking the final exa	m	None							
20.			struction		Macedonian							
21.	Course	Course evaluation Student questionnaire										
22.	Textbo	Textbooks										
	Instruction materials											
	22.1.	No. Author			Title		Publisher		Year			
		1.	I.Cerepnalkovski		Compressors		UKIM	<i>I</i> 1994				

	2.	M.Sharevski	Design of piston, scroll, rotary and turbo compressors and plants	UKIM	
	3.	Seleznev, Galerkin	Centrifugal compressors	Машиностроен ие	1982
	1				
	No.	Author	Title	Publisher	Year
22.2.	1.	Eckert, Schnell	Axial und radial kompressoren	Springel, Berlin	1974
	2.	Френкељ	Поршневие компрессори	Машиностроен ие	1978
	3.	Сакун	Винтовие компрессори	Машиностроен ие	1996