Add. 3			Course program for the first, second and third level (cycle) of studies									
1.	Course	title	ile l			Thermal measurements						
2.	Code				306							
3.	Study group(s)					TI						
4.	The organizer of the study program					Faculty of Mechanical Engineering - Skopje,						
	(unit, institute, department)				Ss. Cyril and Methodius University in Skopje							
5.	Level (first, second, third)					First						
6.	Academic year / semester				credits				of ECTS	6		
8.	Instructor				Prof. Milan Šarevski Ph.D							
9.	Prerequisites					none						
10.	Course objectives (competences):											
	Introduction and study of theory of uncertainty of measurement; temperature; pressure; velocity; humidity; heat energy; measurement methods, instruments, procedure data analyses of measurement results.											
11.	Course content:											
	Thermal measurements; Theory of uncertainty of measurement- Type A and Type B											
	uncertainty, standard uncertainty, combined uncertainty, expanded uncertainty; levels of											
	confidence; effective degrees of freedom; coverage factor. Measurement of temperature, pressure; velocity; flow; humidity; heat energy; measurement											
									measureme	ent		
12.	methods, instruments, procedure data analyses of measurement results.											
12.	Study methods: Teaching lectures, auditory/laboratory practice, self/team work, home studding Total hours 6 ECTS x 30 hours = 180 hours											
14.			n per activity:		30 + 30 +10 +10 +100 = 180 hours							
15.	Lecture		n per activity.	15.1						0 hours		
10.	Lociard	55/ Lab		15.2		Lab (student wor	rk)			0 hours		
16.				16.1				30 hours				
				16.2					30 hours			
				16.3	5				60 hours			
17.	Points/Marks:											
	17.1. Tests							7	0 points			
	17.2.	Project	S					20 points				
	17.3. Attendance					10 po			0 points			
18.	. Grading scale					Un	der 50		5 (five) (F)		
		-			51 - 60 points			6	(six) (E)			
						61 - 70			7 (sev	/en) (D)		
						71 - 80		8 (eight) (C				
						81 - 90						
10						91 - 100	points	10 (ten) (A)				
19.	•		or taking the final exametric	m	None							
20.					Macedonian							
21.	Course	e evaluat	ion		Student questionnaire							
22.	2. Textbooks											
	Instruction materials											
	22.1.	No.	No. Author			Title		Pu	ıblisher	Year		
		1.	М. Шаревски		Te	омички мерења		УКИМ				

	2.	Howard	Guide to the Measurement of Pressure and Vacuum	NPL , London	1994				
	3.								
	Supplemental Instruction Materials								
22.2.	No.	Author Title		Publisher	Year				
	1.	Nicholas,White	Traceable temperatures	John Wiley & Sons NY	2001				
	2.	ISO	Guide of Expression of Uncertainty of Measuremet	ISO	1993				
	3.								