

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Energy from waste			
2.	Code	150			
3.	Study group(s)	TI, 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 degree)	First			
6.	Academic year / semester	Winter	7.	Number of ECTS credits	6
8.	Professor	Ass. prof. Dame Dimitrovski D.Sci.			
9.	Preconditions for enrolling the course	Thermodynamic			
10.	Purpose of the course program (competences): Introduction to waste sources, types of waste, norms and regulation of waste treatment, materials and energy from waste, industrial and agricultural waste.				
11.	Contents of the course program: Introduction to waste sources, types of waste, norms and regulation of waste treatment, materials and energy from waste, industrial and agricultural waste. Technologies for waste management, waste treatment.				
12.	Study methods: Interactive courses, field practices, team work, practical tasks, studying.				
13.	Total available time period	6 ECTS x 30 classes = 180 classes			
14.	Available time assessment	30 + 30 + 30 + 30 + 60 = 180 hours			
15.	Educational activity module	15.1.	Teaching lectures	30	
		15.2.	Practice, seminars, team work	30	
16.	Other activity module	16.1.	Project assignments	30	
		16.2.	Selfrunning assignments	30	
		16.3.	Home studying	60	
17.	Evaluation methods				
	17.1.	Tests	80		
	17.2.	Projects	15		
	17.3.	Activity and participation	5		
18.	Evaluation criteria (points and marks)	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.	Signature and final exam requirements	Research and presentation for the Project 17.2 Homework			
20.	Language used for performing the teaching	Macedonian language			
21.	Method used for following the teaching quality	Continuous evaluation and review.			
22.	References				
22.1.	Main references				
	No.	Author	Title	Publisher	Year
	1.	Ljubica Petrusevska	Waste treatment	Internal edition MFS	2003
	2.	Dame Dimitrovski	Waste management	Internal edition MFS	2011

		3.	Hrvoje Pozar	Osnovi energetike I & II	Skolska knjiga Zagreb	1978
	22.2.	Additional references				
		No.	Author	Title	Publisher	Year
		1.	Nicholas P. Chermisinoff	Handbook of solid waste management and waste minimization technologies	Butterworth Heinemann	2003
			George Tchobanoglous, Frank Kraith	Handbook of solid waste management	McGraw Hill	2002