

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Contemporary vehicle propulsion systems			
2.	Code	295			
3.	Study group(s)	MV			
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)	First			
6.	Academic year / semester	winter	7.	Number of ECTS credits	6
8.	Instructor	Ass. prof. d-r Aleksandar Kostikj			
9.	Prerequisites	None			
10.	Course objectives (competences): Extending the knowledge of contemporary vehicle propulsion systems, especially electric and hybrid propulsion systems, as well as fuel-cell propulsion systems.				
11.	Course content: Electric and hybrid-electric propulsion systems. Non-electric hybrid propulsion systems. Fuel cell propulsion systems.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours	6 ECTS x 30 classes = 180 classes			
14.	Hours allocation per activity:	30 + 30 + 50 + 0 + 70 = 180 classes			
15.	Lectures/Lab	15.1.	Teaching lectures	30 classes	
		15.2.	Practice, seminars, team work	30 classes	
16.	Project Work/Assignments	16.1.	Project assignments	50 classes	
		16.2.	Selfrunning assignments	0 classes	
		16.3.	Home studying	70 classes	
17.	Points/Marks:				
	17.1.	Tests			70 points
	17.2.	Projects			20 points
	17.3.	Attendance			10 points
18.	Grading scale	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.	Prerequisites for taking the final exam	Accomplished activities: 15.1, 15.2 and 16.1.			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Questionnaires and other forms of continuous evaluation			

22.	Textbooks					
	22.1.	Instruction materials				
		No.	Author	Title	Publisher	Year
		1.	Milan Kjosevski Aleksandar Kostikj	Internal script		2012
		2.				
3.						
22.2.	Supplemental Instruction Materials					

		No.	Author	Title	Publisher	Year
		1.	Lino Guzzella and Antonio Sciarretta	Vehicle propulsion systems	Springer	2007
		2.	Iqbal Husain	Electric and Hybrid Vehicles: Design Fundamentals, Second Edition	CRC Press	2010
		3.				