

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Motor vehicle design II			
2.	Code	257			
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	Summer	6	Number of ECTS credits	6
8.	Instructor	Associated professor PhD Darko Danev			
9.	Prerequisites	Construction of the motor vehicles - signature Mechanical elements - passed			
10.	Course objectives (competences): Introduction in specifications for defining of workloads and calculation of elements and systems of the motor vehicles. (Define workloads and perform specific calculations of the elements, assemblies and systems from the motor vehicles).				
11.	Course content: Basic settings for the methods of calculation of mechanisms and elements from the motor vehicles, calculation of the elements from the power transmission system, power / non-power bridges, suspension, steering, braking.				
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 + 0 + 0 + 120 = 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	0 classes	
		16.2.	Self running assignments	0 classes	
		16.3.	Home studying	120 classes	
17.	Points/Marks:				
	17.1.	Tests			80 points
	17.2.	Projects			10 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: 15.1и 15.2			
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
	1.	Dragi Danev	Calculation of the motor vehicles	Faculty of Mechanical Engineering -	2001

					Skopje	
		2.				
		3.				
	22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.	Malcolm James Nunney	Light & Heavy Vehicle Technology	Butterworth-Heinemann	2006
		2.	Rudolf Limpert	Brake Design and Safety	SAE	1999