

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Motor Vehicles designing and construction			
2.	Code	265			
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	Associated professor PhD Darko Danev			
9.	Prerequisites	Mechanical elements - passed Construction of the motor vehicles - passed Calculation of the motor vehicles - signature			
10.	Course objectives (competences): Introduction to the methodology of designing and constructing of the separate systems of motor vehicles. (Constructing and designing of motor vehicles systems).				
11.	Course content: Power transmission system (clutch, transmission, shaft and half shafts, main transmitter), suspension system, steering system, braking system.				
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 + 30 + 0 + 90 = 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	30 classes	
		16.2.	Self running assignments	0 classes	
		16.3.	Home studying	90 classes	
17.	Points/Marks:				
	17.1.	Tests			0 points
	17.2.	Projects			90 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 и 15.2			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Questionnaires and other forms of continuous evaluation			

22.	Textbooks				
		Instruction materials			
		No.	Author	Title	Publisher
22.1.	1.	Dragi Danev	Calculation of the motor vehicles	Faculty of Mechanical Engineering - Skopje	2001

		2.	Dragi Danev	Construction of the motor vehicles	Faculty of Mechanical Engineering - Skopje	2001
		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