

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Design of chassis and superstructures			
2.	Code	269			
3.	Study group(s)	TML, 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	IV / Summer (8)	7.	Number of ECTS credits	6
8.	Instructor	Associate Professor Viktor Stojmanovski, PhD			
9.	Prerequisites	Motor vehicles – Passed exam Structures of Mechanization Machinery and Vehicles – Passed exam			
10.	Course objectives (competences): Knowledge of basic principles and methods of design of chassis and superstructures of mechanization machinery and vehicles. Basic knowledge of numerical methods for calculation and analysis.				
11.	Course content: Introduction, Overview of common types of structures and their characteristics, Introduction to concepts and requirements of design. Introducing Finite Element Modeling in the design process. Building characteristic models of chassis elements. Structural analysis of stresses and deformation.				
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 = 180 hours			
14.	Hours allocation per activity:	30+30+60+0+60=180 hours			
15.	Lectures/Lab	15.1.	Teaching lectures	30 hours	
		15.2.	Practice, seminars, team work	30 hours	
16.	Project Work/Assignments	16.1.	Project assignments	60 hours	
		16.2.	Selfrunning assignments	0	
		16.3.	Home studying	60 hours	
17.	Points/Marks:				
	17.1.	Tests			0 points
	17.2.	Projects			80 points
	17.3.	Attendance			20 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	Completed activities 15.1, 15.2, 16.1 and 16.2			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Satisfaction surveys and other forms of continuous evaluation			
22.	Textbooks				
	22.1.	Instruction materials			
		No.	Author	Title	Publisher
1.		Viktor Stojmanovski	Design of Chasis and		

				structures – Internal manuscript		
		2.				
		3.				
	22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.				