

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Carrying constructions of mechanization machines and motor vehicle			
2.	Code	228			
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	Winter	7.	Number of ECTS credits	6
8.	Instructor	Prof.Slave Jakimovski PhD			
9.	Prerequisites	Passed of Stength of materials			
10.	Course objectives (competences): Modern method of calculation, modeling and design of the carrying structures in mechanization machines and vehicles.				
11.	Course content: Role of the carrying structures in mechanization machines and vehicles, basic construction elements. Joining of carrying elements and calculation of characteristic connections. Load-carrying structures in various types of vehicles and mechanization machines as its manner of performance. Numerical analysis elements of the carrying structures. Construction materials of the carrying structures.				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours				
14.	Hours allocation per activity: 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		
		16.2.	Selfrunning assignments	30 hours	
		16.3.	Home studying	90 hours	
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	Realized activities 15.1, 15.2, 16.2			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Mechanisms for intern evaluation and surveys			
22.	Textbooks				
	22.1.	Instruction materials			
		No.	Author	Title	Publisher
	1.	Славе Јакимовски	Носечки конструкции кај	Интерна	2011

				MB	скрипта	
	22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.	G. Wardill I drugi	Proracun nosejih konstrukcija MV	MFBeograd	1996
		2.	D. Ostric	Metalne konstrukcije	MF Beograd	1996