Add. 3		**Course program for the first, second and third degree of studies**			
1.	Course title	Virtual design process			
2.	Code	115			
3.	Study group(s)	MV, TML			
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	III, VII	7.	Number of ECTS credits	6
8.	Instructor	Prof. D-r Milan Kjosevski			
9.	Prerequisites	Motor vehicles calculation			
10.	Course objectives (competences): Introduction to virtual tools (modeling and simulation) for design of mechanical systems of motor vehicles and machines.				
11.	Course content: Systems and system approach, model, types of models, simulation, modern design process against traditional, software tools, practice work				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours		180 hours		
14.	Hours allocation per activity:		30+30+90+0+30		
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		90 hours
		16.2.	Selfrunning assignments		
		16.3.	Home studying		30 hours
17.	Points/Marks:				
	17.1.	Tests			30 points
	17.2.	Projects			60 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, and 16.1			
20.	Language of Instruction	Macedonian language			
21.	Course evaluation	Attendance, passing, survey			

22.	Textbooks				
	Instruction materials				
		No.	Author	Title	Publisher	Year
22.1.		1.	Milan Kjosevski	Virtual design process – teaching material	MF	2012
		2.				
		3.				
22.2.	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year

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