

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Design of mechanization			
2.	Code	275			
3.	Study group(s)				
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	Four / 7	7	Number of ECTS credits	6
8.	Instructor	Prof. Janko Janchevski, Ph.D.			
9.	Prerequisites	Machine Elements			
10.	Course objectives (competences): Design, calculations parts and devices of mechanization				
11.	Course content: Repetition of the theoretical and practical teaching material of construction and mining machines. Practical implementation for design and calculation of many types of real mechanization and theirs vital systems and parts. Completing of the technical documentation (calculation, schematics, drawings, etc.).				
12.	Study methods: interactive lectures, auditory practice and/or laboratory practice, self running and/or team work projects, self learning				
13.	Total hours	20 + 30 + 40 + 40 + 50 = 180			
14.	Hours allocation per activity:	180			
15.	Lectures/Lab	15.1.	Teaching lectures	20	
		15.2.	Practice, seminars, team work	30	
16.	Project Work/Assignments	16.1.	Project assignments	40	
		16.2.	Selfrunning assignments	40	
		16.3.	Home studying	50	
17.	Points/Marks:				
	17.1.	Tests			50
	17.2.	Projects			40
	17.3.	Attendance			10
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				
20.	Language of Instruction	Macedonian language			
21.	Course evaluation				

22.	Textbooks				
	Instruction materials				
	No.	Author	Title	Publisher	Year
22.1.	1.	Janko Janchevski	Construction and mining machines	Internal book	2007
	2.	Janko Janchevski	Transport Machines	University "Ss.Cyril and Methodius", Skopje	2003
	3.	Momir Plavsic	Gragjevinske masine	Naucna knjiga Belgrade	1990
	Supplemental Instruction Materials				
22.2.	No.	Author	Title	Publisher	Year
	1.	Bogdan Trbojevic	Gragjevinske masine	Gragjevinska Belgrade	1988