Add. 3		Course program for the first, second and third level (cycle) of studies			

1.	Course title	Computers and Applicative Software			
2.	Code	168			
3.	Study group(s)	Industrial Engineering and Management			
4.	The organizer of the study program (unit, institute, department)	Institute of Mechanical Construction, Mechanization Machines and Vehicles			
5.	Level (first, second, third)	First			
6.	Academic year / semester	Second / winter	7.	ECTS credits	6
8.	Instructor	Roza Aceska			
9.	Prerequisites	None			
10.	Course objectives (competences): Introduction to computer systems and some important applicative software. Basics of MATLAB, graphics and visualization.				
11.	Course content: Architecture and functioning of computer systems. Work with operative systems and actual applicative software. Programming, graphics and visualization using MATLAB.				
12.	Study methods: lectures, auditory and laboratory practice, homework, self-learning				
13.	Total hours	6 ECTS x 30 hours = 180 hours			
14.	Hours allocation per activity:	30+30+0+30+90 = 180 hours			

15.	Lectures/Lab	15.1.	Lectures	30 hours
		15.2.	Lab (student work)	30 hours
16.	Project Work/Assignments	16.1.	Project assignments	0 hours
		16.2.	Individual assignments	30 hours
		16.3.	Self- learning	90 hours

17.	Points/Marks:		
17.1.	Tests		50 points
17.2.	Projects		40 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	activity 17.3
20.	Language of Instruction	Macedonian
21.	Course evaluation	Student questionnaire

22.	Textbooks					
		Instruction materials				
	22.1.	No.	Author	Title	Publisher	Year
		1.	N. Tuneski, E. Celakoska	Introduction to MATLAB	Faculty of Mechanical Engineering – Skopje	2010
		2.	D. Cakmakov	Computers, Algorithms, Programming	Ss. Cyril and Methodius University	2006
		Supplemental Instruction Materials				
	22.2.	No.	Author	Title	Publisher	Year
		1.		Manuals for adequate software.		
		2.				