Add. 3		**Course program for the first, second and third level (cycle) of studies**			
1.	Course title	Structured Programming			
2.	Code	301			
3.	Study group(s)	Mechatronics			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje			
5.	Level (first, second, third)	First			
6.	Academic year / semester	Third / winter	7.	ECTS credits	6
8.	Instructor	Emilija Celakoska			
9.	Prerequisites	/			
10.	Course objectives (competences): Introduction to programming structures and techniques using the programming language C.				
11.	Course content: Programming structures and techniques are considered, including arrays, matrices, files, use of subroutines, working with pointers and recursive programming.				
12.	Study methods: lectures, laboratory practice, individual assignments, self-learning				
13.	Total hours	6 ECTS x 30 hours = 180 hours			
14.	Hours allocation per activity:	30 + 30 + 0 + 30 + 90			
15.	Lectures/Lab	15.1.	Lectures		30
		15.2.	Lab (student work)		30
16.	Project Work/Assignments	16.1.	Project assignments		0
		16.2.	Individual assignments		30
		16.3.	Self-learning		90
17.	Points/Marks:				
	17.1.	Tests (2 x 40 points)			80 points
	17.2.	Projects			10 points
	17.3.	Attendance			10 points
18.	Grading scale		Under 50		5 (five) (F)
			50-59 points		6 (six) (E)
			60- 69points		7 (seven) (D)
			70 -79points		8 (eight) (C)
			80-89points		9 (nine) (B)
			90- 100 points		10 (ten) (A)
19.	Prerequisites for taking the final exam	/			
20.	Language of Instruction	Macedonian			
21.	Course evaluation	Student questionnaire			

22.	Textbooks					
		Instruction materials				
		No.	Author	Title	Publisher	Year
	22.1.	1.	Chakmakov D.	Computers, Algorithms and Programming	Ss. Cyril and Methodius University, Skopje	1999, 2006
		2.				
		3.				
		Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
	22.2.	1.	Kernigham B.W., Ritchie D.M	The C Programming Language	Englewood Cliffs, Prentice Hall	1976, 1988