Add. 3		Course program for the first, second and third level (cycle) of studies							
1	Courso tit			Mot	homotion for Engineerin	~			
1.	Code			Mathematics for Engineering					
2. 3	Study group(s)			Industrial Engineering and Management					
0.	Study group(s)			Production Informatics					
4.	The organizer of the study program			Institute of Production Engineering;					
	(unit, instit	tute, department)		Insti	itute of Mechanical Con	structio	on, Mechanization;		
				Mac	chines and Vehicles				
5.	Level (first	Level (first, second, third)			First				
6.	Academic	year / semester		First / winter 7. ECTS credits 6					
8.	Instructor				Nikola Tuneski, Emilija Celakoska				
9.	Prerequisites none								
10.	Course objectives (competences):								
		on to vector algebra and its	s appil	cati	ons. Introduction to the	concep	pts of function in one		
11		real variable, limit, continuity, differential and integral calculus.							
	Use of the theory of vector algebra, differential and integral calculus in mathematical modeling								
	and solution of technical problems.								
12.	Study met	Study methods: lectures, auditory practice, homework, self-learning							
13.	Total hours 6 ECTS x 30 hours = 180 hours						ours		
14.	Hours allocation per activity:				45+30+0+20+85 = 180 hours				
15.	Lectures/Lab 15			. Lectures			45 hours		
			15.2		Student work		30 hours		
16.	Project W	ork/Assignments	16.1		Project assignments		0 hours		
			16.2		Individual assignments		20 hours		
	D 1 4 44		16.3	3. Self-learning		85 hours			
17.	Points/Marks:								
	17.1. Lests				9		90 points		
	17.2. PI								
18	Grading s				Under 50	10 pc	5 (five) (F)		
10.	Oracing 5	calc			51 - 60 points		6 (six) (F)		
					61 - 70 points		7 (seven) (D)		
					71 - 80 points		8 (eight) (C)		
					81 - 90 points	1	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.	21. Course evaluation				Student questionnaire				
22.	Textbook	S							
		le struction en stariale							

	Instruction materials									
	No.	Author	Title	Publisher	Yea					
22 1	1.	A. Malceski	Engineering Mathematics (lecture notes)	Faculty of Mechanical Engineering – Skopje	1994					
<i>LL</i> . 1.	2.	L. Dimov	Mathematics 1	Ss. Cyril and Methodius University	2006					
	3.	N. Tuneski, B. Jolevska – Tuneska	Differential Calculus	Ss. Cyril and Methodius University	2011					
	Supplemental Instruction Materials									
	No.	Author	Title	Publisher	Yea					
22.2	1.	James G.	Modern Engineering Mathematics	Pearson, Prentice Hall	2008					
<i></i> . <i>_</i> .	2.	Lj. Stefanova	Mathematics 1 (lecture notes)	Faculty of Mechanical Engineering – Skopje						
	3.	N. Tuneski, B. Jolevska – Tuneska	Integral Calculus	Ss. Cyril and Methodius University	2011					