Add	. 3	Course program for the first, second and third level (cycle) of studies											
4	Course til												
1.	Code			3D Engineering									
3.	Study group(s)				PInf								
4.	The organizer of the study program				Faculty of Mechanical Engineering - Skopje,								
	(unit, inst	tute, department)	:	Ss. Cyril and Methodius University in Skopje									
5.	Level (firs	st, second, third)		First									
6.	Academic year / semester				summer 7. ECTS credits 6								
8.	Instructor			Prof D-r Atanas Kochov									
9.	Course of	hiestives (competences)		N/A									
	Visual communication techniques; using computer tools and software for advanced graphic communication, understanding the concept and development skills for parametric solid modeling; 3D digitizing techniques.												
11.	Course content: Introduction, Tools, Techniques & processes involved in 3D computer design, application in the field of mechanical industry, commercial software packages for 3D Engineering; Opportunities, advantages and disadvantages; Visualization Techniques, model rendering; principles of visual perception; development of scientific visualization, integrated CAD / CAM / CAE system, 3D techniques												
12.	Study methods: Interactive lectures, exercises auditory and / or laboratory, individual and / or team working on project assignments, self-study.												
13.	Total hou	rs			6 ECTS x 30 h	ours = 180 ho	ours						
14.	Hours allo	ocation per activity:	454		30 + 30 + 30 +	30 + 60 = 18	0 hours						
15.	Lectures/	Lab	15.1	Lectures			30 nours						
16	Project W	lork/Assignments	15.2	Project assignments		() nts	30 hours						
10.	Tojeet WonkAssignments To		10.1			1113	50 110015						
			16.2	. Ir	ndividual assignr	nents	30 hours						
				_									
			16.3	5. S	Self-study		60 hours						
17.	Points/Ma	arks:											
	17.1. T	ests				70 points							
	17.2. Projects						20 points						
	17.3 Attendance					10 points							
10					Linder 50		<u> </u>						
18.	Gradings	scale		51 - 60 points			5 (TIVE) (F)						
					61 - 70 points		0 (SIX) (E) 7 (savan) (D)						
					71 - 80 points		8 (pight) (C)						
					81 - 90 points		9 (nine) (B)						
					91 - 100 points 10 (10 (ten)	(A)					
19.	Prerequis	ites for taking the final e	xam	Realized activity 17.2									
20.	Language	e of Instruction		Macedonian									
21.	Course e	valuation	re										
22.	Textbooks												
		Instruction materials											
	22.1.	No. Auth	or	Title		е	Publisher	Year					

		1.	A. Kochov	3D Engineering	Intern Script Faculty of Mechanical Engineering - Skopje	2009				
		2.								
		3.								
		Supplemental Instruction Materials								
	22.2.	No.	Author	Title	Publisher	Year				
		1.	J.Y.H.Fuh	Computer Aided injection mold design and manufacture	Hansen Publish.	2004				
		2.								