Add.	. 3	Course progran	n for	the f	irst, second and	l thi	rd degree of studie	S		
1.	Course titl	е		Production, products and services						
2.	Code			280						
3.	Study grou	Study group(s)			PInf					
4.		izer of the study program		Faculty of Mechanical Engineering - Skopje,						
	(unit, institute, department)			Ss. Cyril and Methodius University in Skopje						
5.		t, second, third degree)		First						
6.	Academic	year / semester		Sum		7.	Number of ECTS credits	6		
8.	Professor			Prof. Valentina Gecevska						
9.	Preconditions for enrolling the course Purpose of the course program (compete			None						
10.	Identifying products a	of production and service and services.	•	,		ns, s	tructure, characteris	tics,		
11.	Contents of the course program: Acquiring knowledge about management functions and organization of companies, production and service systems, their structure, organization, functions, processes, and characteristics. Study of information processing in the production and service systems, the systemic approach concept, types of production, production planning and management, the concept of quality in production and service systems. Introduction of the concept of competitiveness of production and service systems, the concept of product development and management services and notion of life cycle in production and service systems.									
12.	Study methods:									
10	projects, s	<u> </u>	or in-	class				on		
13.		lable time period	= 180 hours							
14.	Available time assessment Educational activity module 15			30 + 30 + 30 + 30 + 60 1. Teaching lectures			- 60 = 180 nours			
15.	Education	ai activity module	15.1 15.2		Practice, seminar		om	30 hours 30 hours		
			15.2		vork	s, t e	alli	30 HOUIS		
16.	Other activity module		16.1		Project assignments			40 hours		
			16.2	2. 8	Selfrunning assignments		nts	20 hours		
			16.3	3. F	Home studying			60 hours		
17.	Evaluation methods									
•		ests						70 points		
	17.2. Projects						20 points			
	17.3. Activity and participation				10 points					
18.	Evaluation criteria (points and marks)				Under 50 5			5 (five) (F)		
		(Penne and mane	′		51 - 60 p			6 (six) (E)		
			Ì		61 - 70 p			seven) (D)		
					71- 80 p			(eight) (C)		
			ļ		81 - 90 p			(nine) (B)		
					91 - 100 points 10 (ten) (A)					
19.	Signature and final exam requirements				Realized activity 17.2					
20.	Language used for performing the teaching			Macedonian language						
21.		sed for following the teachi	ng	Surveys and other forms of continuous evaluation						

	Main references								
	No. Author		Title	Publisher	Year				
22.1.	1.	V. Dukovski, V. Gecevska	Production, products and services	Faculty of Mechanical Engineering, Skopje, UKIM	2004				
	2.	C. Chang	Service System Management and Engineering	J.Willy & Sons, USA	2010				
	3.								
	Additional references								
	No.	Author	Title	Publisher	Year				
22.2.	1.	T. Sakao	Introduction to Product / Service System Design	Springer	2009				
	2.								
	3.								