

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Management information systems			
2.	Code	196			
3.	Study group(s)	IEM			
4.	The organizer of the study program (unit, institute, department)	Faculty of Mechanical Engineering - Skopje, Ss. Cyril and Methodius University in Skopje			
5.	Level (first, second, third degree)	First			
6.	Academic year / semester	Summer	7.	Number of ECTS credits	6
8.	Professor	Prof. Robert Minovski			
9.	Preconditions for enrolling the course	Design of information systems – signature			
10.	Purpose of the course program (competences): Basic goal of the subject is (1) general introduction with information systems, their structure and goals and (2) place and role of management information systems, as basis support for decision support, examples of such systems, with special focus on performance measurement systems. With that, the student will gain competencies for conceptual development of management information systems.				
11.	Contents of the course program: 1. Introduction in management information systems 2. From data to management information systems 3. Management information systems <ol style="list-style-type: none"> a. Type for their analysis b. management information subsystems for production preparation c. management information subsystems for production planning and control d. management information subsystems for marketing 4. Performance measurement systems 5. Some more specific tools that are used in the management information systems <ol style="list-style-type: none"> a. Simulations b. Markov process for decision making c. Petri net 				
12.	Study methods: Interactive teaching, Laboratory and/or in-class exercises, individual and/or team work on projects, self-study.				
13.	Total available time period	6 ECTS x 30 hours = 180 hours			
14.	Available time assessment	30 + 30 + 0 + 20 + 100 = 180 hours			
15.	Educational activity module	15.1.	Teaching lectures	30 hours	
		15.2.	Practice, seminars, team work	30 hours	
16.	Other activity module	16.1.	Project assignments	0 hours	
		16.2.	Selfrunning assignments	20 hours	
		16.3.	Home studying	100 hours	
17.	Evaluation methods				
	17.1.	Tests			80 points
	17.2.	Projects			10 points
	17.3.	Activity and participation			10 points
18.	Evaluation criteria (points and marks)		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.	Signature and final exam requirements	Realized activity 16.2
20.	Language used for performing the teaching	Macedonian language
21.	Method used for following the teaching quality	Surveys and other forms of continuous evaluation

22.	References					
	22.1.	Main references				
		No.	Author	Title	Publisher	Year
		1.	Robert Minovski	Management information systems (internal use)	Faculty of Mechanical Engineering – Skopje	2007
		2.		Actual material from the field where the project work will be made		
	3.					
	22.2.	Additional references				
		No.	Author	Title	Publisher	Year
	1.	Zelenovik	Design of production systems			