

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Design of information systems			
2.	Code	267			
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	Winter	7.	Number of ECTS credits	6
8.	Professor	Prof. Robert Minovski			
9.	Preconditions for enrolling the course	None			
10.	Purpose of the course program (competences): Basic goal of the subject is learning the methodologies for system analysis, together with associated methods, applied in the information systems. With that, the student will gain competencies in defining information systems (with accent on small and medium enterprises), with clearly identified functions, entities and their relations.				
11.	Contents of the course program: 1. Introduction 2. Analysis of different methodologies for design of information systems 3. Detailed development of a determined methodology for design of information systems 4. Databases 5. Information systems security 6. Using feasibility study when designing information systems				
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 + 30 + 90 = 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	30 hours	
		16.3.	Home studying	90 hours	
17.	Evaluation methods				
	17.1.	Tests			70 points
	17.2.	Projects			20 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	Design of 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		