

Add. 3		Course program for the first, second and third degree of studies			
1.	Course title	Business Informatics			
2.	Code	124			
3.	Study group(s)	PInf			
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. Valentina Gecevska, Prof. Jasmina Caloska			
9.	Preconditions for enrolling the course	None			
10.	Purpose of the course program (competences): Introduction of computer aid and software tools application in the business environment in the production and service companies.				
11.	Contents of the course program:  Introduction to the functions of the business environment and the process of engineering decision making. Structure of the business environment, business process modeling techniques, computer support business processes and software tools in functional units, such as manufacturing, service, finance, marketing. Concept and structure of information systems. Learning of structural analysis and design through functional and information modeling tools. Application software tools and enterprise recourses planning (ERP) tools.				
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 + 30 + 30 + 60 = 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	40 hours	
		16.2.	Selfrunning assignments	20 hours	
		16.3.	Home studying	60 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 17.2			
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				
	Main references				
	No.	Author	Title	Publisher	Year
22.1.	1.	V. Gecevska	Business Informatics, Part 2	Faculty of Mechanical Engineering, Skopje, UKIM	2007
	2.	J. Calovska	Business Informatics, Part 1	Faculty of Mechanical Engineering, Skopje, UKIM	2007
	3.	R. Clushko	Document Engineering: Analyzing and Designing Documents for Business Informatics	MIT Press, USA	2008
	Additional references				
	No.	Author	Title	Publisher	Year
22.2.	1.	S. Magal	Essentials of Business Processes and Information Systems	Mc.Hill Press, USA	2009
	2.	A. Denis	System Analysis and Design	Oxford Press, USA	2011
	3.				