

1.	Course Title	Management Information Systems
2.	Code	F18L3W027
3.	Study program	Software engineering and information systems
4.	Study Program Organizer	Faculty of Computer Science and Engineering
5.	Degree (first, second, third cycle)	first cycle
6.	Academic year / semester 4 / winter / mandatory	7. ECTS credits 6
8.	Teacher	full professor Ljupcho Antovski, full professor Kosta Mitreski, full professor Goran Velinov, associate professor Smilka Janeska SarkaNjac, assistant professor Milosh Jovanovikj
9.	Course enrollment prerequisites	Софтверско инженерство или Анализа на софтверските барања
10.	Course program goals (competencies): After completing the course, the students will have knowledge about the different types and usages of management information systems.	
11.	Course program content: Business models and competitive strategies, link between the company organizational structure and the information structure, types of organization structures. Goals of business and e-business systems. The need for management and types of management within a company, especially for managing information systems (IS), digital organization, security management and IS ethics. The contribution of IS for a company, on a strategic, competition and operating level. ICT infrastructure and its impact on IS development within a company, massive information systems. Key applications and paradigms, and how they relate to a company's strategic goals (e.g. profit centers, user optimization, customer satisfaction, etc.). The digital era and its impact on IS in companies (globalization, personalization, being involved). Decision support systems, knowledge management systems. Trends and challenges in information system management.	
12.	Learning methods: Lectures using presentations, interactive lectures, exercises (using equipment and software packages), teamwork, case studies, invited guest lecturers, independent preparation and defense of a project assignment and seminar work.	
13.	Total available time	6 ECTS x 30 hours = 180 hours
14.	Distribution of the available time	30 + 30 + 15 + 15 + 90 = 180 hours

15.	Teaching activity forms		15.1.	Lectures – theoretical teaching	30 hours	
			15.2.	Exercises (laboratory, auditory), seminar papers, teamwork	30 hours	
16.	Other activity forms		16.1.	Project Tasks	15 hours	
			16.2.	Independent Learning Tasks	15 hours	
			16.3.	Home learning	90 hours	
17.	Assessment methodology					
	17.1.	Tests			10 points	
	17.2.	Seminar paper/project (presentation: written and oral)			10 points	
	17.3.	Activity and learning			10 points	
	17.4.	Final exam			70 points	
18.	Assessment criteria (points/grade)		up to 50 points		5 (five) (F)	
			51 to 60 points		6 (six) (E)	
			61 to 70 points		7 (seven) (D)	
			71 to 80 points		8 (eight) (C)	
			81 to 90 points		9 (nine) (B)	
			91 to 100 points		10 (ten) (A)	
19.	Course completion and final exam requirements		Realized activities 15.1 and 15.2			
20.	Teaching Language		Macedonian and English			
21.	Teaching quality evaluation method		Internal evaluation mechanisms and questionnaires			
22.	Course Material					
	22.1.	Mandatory course material				
		No	Author	Title	Publisher	Year
		1	James A. O'Brien, George M. Marakas	Management Information Systems	McGraw-Hill/Irwin	2010
		2	Jane P. Laudon and Kenneth C. Laudon	Management Information Systems	Pearson	2014
	22.2.	Additional course material				
		No.	Author	Title	Publisher	Year

