

1.	Course title	Information systems analysis and design		
2.	Course code	IIS-Z-01		
3.	Study program	Intelligent information systems		
4.	Unit offering the course	FCSE		
5.	Undergraduate/master/PhD	Master		
6.	Year/semester 1/winter/compulsory	7. ECTS: 6		
8.	Teacher(s)	associate professor Slobodan Kalajdziski		
9.	Course prerequisites	None		
10.	Goals (competences): The student will be able to analyse, design and modelling of information systems.			
11.	Course content: Analysis and modelling of business information systems. Using UML to represent the processes of analysis, design and implementation of information systems. Making the durability study of user requirements. Ontological approach to modelling of information systems. Conceptual modelling of information systems. The method for business modelling in the development of information systems. Risk-modelling in Information Systems. Maintenance of Information Systems.			
12.	Teaching methods: Lectures supported by slide presentations, interactive lectures, trainings (using lab equipment and software packages), team work, case studies, invited guests and lectures, individual practical assignments presentations, seminar paper, e-learning (forums, consultations).			
13.	Total available time	6 ECTS x 30 hours = 180 hours		
14.	Distribution of the available time	130 + 0 + 50 = 180 hours		
15.	Teaching activities	15.1.	Lectures	130 hours
		15.2.	Training (labs, problem solving), seminar and team work	0 hours
16.	Other activities	16.1.	Project work	15 hours
		16.2.	Self study	15 hours
		16.3.	Home work	20 hours
17.	Grading			
	17.1.	Tests		65 points
	17.2.	Seminar work/project (written or oral presentation)		25 points
	17.3.	Active participation		10 points
18.	Grading criteria		to 59 points	5 (five) (F)
			from 60 to 68 points	6 (six) (E)
			from 69 to 76 points	7 (seven) (D)
			from 77 to 84 points	8 (eight) (C)
			from 85 to 92 points	9 (nine) (B)

		from 93 to 100 points	10 (ten) (A)			
19.	Final exam prerequisites	Successfully completed activities 15.1 and 15.2				
20.	Course language	Macedonian and English				
21.	Quality assurance methods	Internal evaluation and student questionnaires				
22.	Literature					
	22.1.	Compulsory				
		No.	Authors	Title	Publisher	Year
		1.	Charless A. Wasson	System Analysis, Design, and Development: Concepts, Principles, and Practices	Wiley-Interscience	2005
		2.	Laudon & Laudon	Management Information Systems, 9th edition	Pearson	2006
	3.	H.-E. Eriksson, M. Penker	Business modelling & Business patterns at work	J. Wiley	2000	
	22.2.	Additional				
		No.	Authors	Title	Publisher	Year
		1.	S. Robertson, J. Roberston	Mastering the Requirements Process	Addison Wesley	1999
		2.				
3.						