1.	Course title	**Change and Risk Management**	
2.	Course code	KK-Z-06	
3.	Study program	**Coding and Cryptography**	
4.	Unit offering the course	**FCSE**	
5.	Undergraduate/master/PhD	**Master**	
6.	Year/semester 1(2)/winter/elective	7. ECTS: **6**	
8.	Teacher(s)	Assis. Prof. Vesna Dimitrova, Assoc. Prof. Ljupcho Antovski	
9.	Course prerequisites	None	
10.	Goals (competences): The course underlines the need of good risk and change management. With successful completion, the student will be able to independently identify problems in relation to management of risks and changes in software projects and to apply diverse ways and techniques in solving of these problems.		
11.	Course content: Basic concepts of risk management; importance of risk management in successful business; types of risks, risk analysis, goals of risk management; risks identification, risk management strategies; change management in software projects, risk assessment in changes, organizational changes in IT environment, improvement of IT process; change in open source and off the shelf software; case studies of projects for: IT security, cloud computing, agile methods, projects with missed budget and late deliverables, e-government projects and new technologies.		
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	30 + 0 + 30 + 30 + 60 = 180 hours	

15.	Teaching activities	15.1.	Lectures	30 hours
		15.2.	Training (labs, problem solving), seminar and team work	0 hours
16.	Other activities	16.1.	Project work	30 hours
		16.2.	Self study	30 hours
		16.3.	Home work	60 hours

17.	Grading		
	17.1.	Tests	50 points
	17.2.	Seminar work/project (written or oral presentation)	40 points
	17.3.	Active participation	10 points
18.	Grading criteria	to 50 points	5 (five) (F)
		from 50 to 59 points	6 (six) (E)
		from 60 to 69 points	7 (seven) (D)

		from 70 to 79 points	8 (eight) (C)
		from 80 to 89 points	9 (nine) (B)
		from 90 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.	Evan Wheeler	Security Risk Management	Syngress	2011
		2.	Donald J. Reifer	Software Change Management: Case Studies and Practical Advice	Microsoft Press	2012
		3.	Michel Crouhy, Robert Mark, Dan Galai	Risk Management	McGray Hill	2001
	22.2.	Additional				
		No.	Authors	Title	Publisher	Year
		1.		Current scientific articles in the field		
		2.				
		3.				