1.	Course title	**Information Security**		
2.	Course code	KK-Z-02		
3.	Study program	**Coding and Cryptography**		
4.	Unit offering the course	**FCSE**		
5.	Undergraduate/master/PhD	**Master**		
6.	Year/semester 1(2)/winter/compulsory	7. ECTS: **6**		
8.	Teacher(s)	Assis. Prof. Vesna Dimitrova, Prof. Smile Markovski		
9.	Course prerequisites	None		
10.	Goals (competences): Learning the basic security models for access control, protocols and software for computer configurations			
11.	Course content: Authentication methods, passwords, biometrics, authorization, access control matrix, multilevel security models, firewalls, intrusion detection, simple authentication protocols, SSL, insecurity in software , viruses, worms, operating systems security			
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	45 + 45 + 30 + 30 + 30 = 180 hours		
15.	Teaching activities	15.1.	Lectures	45 hours
		15.2.	Training (labs, problem solving), seminar and team work	45 hours
16.	Other activities	16.1.	Project work	30 hours
		16.2.	Self study	30 hours
		16.3.	Home work	30 hours
17.	Grading			
	17.1.	Tests		50 points
	17.2.	Seminar work/project (written or oral presentation)		30 points
	17.3.	Active participation		20 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.	M. Stamp	Information security principles and practice	Wiley-Interscience	2006
		2.	M. Bishop	Computer security – Art and science	Addison-Wesley	2003
		3.	D. Gollmann	Computer Security	John Wiley & Sons	1999
	22.2.	Additional				
		No.	Authors	Title	Publisher	Year
		1.	J. R. Vacca	Computer and Information Security Handbook	Morgan Kaufmann Publ.	2009
		2.	Charles P. Pfleeger, Shari Lawrence Pfleeger	Security in Computing	Prentice Hall	2005
		3.	Ross J. Anredson	Security Engineering: A Guide to Building Dependable Distributed Systems	John Wiley & Sons	2001