

1.	Course	<i>Research Ethics</i>		
2.	Code	KNI_G1		
3.	Study programme	Computer Science and Engineering PhD study programme		
4.	Study programme organized by	FCSE		
5.	Cycle	Third - PhD		
6.	Academic year / semester winter/summer/compulsory	7. ECTS credits 4		
8.	Teacher	Prof. d-r Katerina Zdravkova		
9.	Prerequisites	none		
10.	<p>Course programme goals (competences):</p> <p>The course goal is to define the proper balance between the growing role of the information-communication technologies and the threats that arise as a result from this growth. Special attention is given to the protection of personal and sensitive data, IT security, data access, intellectual property rights and professional conduct.</p> <p>It is expected that upon completion of this course the student will be able to take into account the ethical, legal, societal and technological aspects of data privacy and protection and intellectual property, as well as asses the role of every individual that designs or employs IT solutions.</p>			
11.	<p>Course syllabus:</p> <p>Ethics: normative framework, values, access analysis; Privacy: privacy concept, information privacy, legal framework, global perspective, privacy enhancement techniques. Trust: concepts and classifications of trust, security/reliability of information; Security: information security, audit; Access: information access, software piracy; Property: intellectual property, ICT espionage; Influence: social influence, cultural influence and ethnography, globalization; Conduct: professional conduct, professional codexes, information risk management.</p>			
12.	<p>Teaching methods:</p> <p>Classes supported with slide presentations, interactive teaching, lab equipment and other software packages, teamwork, case studies, invited guest lecturers, presentations of project works, e-learning materials, forums and consultations.</p>			
13.	Total fund of work hours	4 EKTC x 30 h = 120 h		
14.	Available hours distribution	45+30+45 = 120		
15.	Teaching activities	15.1.	Theoretical classes	45 h
		15.2.	Practical classes (labs, exercises), seminars, team work	30 h
16.	Other activities	16.1.	Project tasks	15 h
		16.2.	Self study	15 h
		16.3.	Homework	15 h
17.	Grading			
	17.1.	Tests		40 points
	17.2.	Seminar work/ project (presentation: written and oral)		50 points
	17.3.	Active participation		10 points
18.	Grading criteria (points/grade)	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.	Conditions for attending the final exam	Successful completion of activities 15.1 and 15.2		
20.	Language	Macedonian or English		
21.	Quality assessment	Internal evaluation and student pools		
Literature				
22.	Compulsory			
	No.	Author	Title	Publisher
	1.	Spinello, R.	Cyberethics: Morality and Law in Cyberspace, Fifth Edition	Jones & Bartlett Learning
	2.	Havani, T. T.	Ethics and Technology: Controversies, Questions and Strategies for Ethical Computing	Wiley
	3.	Bynum T, Rogerson S.	Computer Ethics and Professional Responsibility	Blackwell Publishing
	Additional			
	No.	Author	Title	Publisher
1.	Zdravkova, K.	Joint Course in Privacy, Ethics and Social Responsibilities	http://ecourses.ii.edu.mk/ http://perun.dmi.rs/moodle/	
2.	Lessig, L.	Code: And Other Laws of Cyberspace	Basic Books	
3.	Johnson D.	Computer Ethics 4th edition	Prentice Hall	