1.	Course Title	Computer ethics
2.	Code	F18L3W053
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 3 / winter / mandatory	7. ECTS credits 6
8.	Teacher	full professor Katerina Zdravkova
9.	Course enrollment prerequisites	Напредно програмирање или Алгоритми и податочни структури

10.	Course program goals (competencies): Upon successful completion of this course, the student will be able to: - recognize the key cultural, social, legal and ethical issues of ICTs and their influence, as well as the professional responsibilities of ICT professionals; - understand the importance and critically discuss the potential ICT risks, including the consequences of ICT's fast development and its impact to humanity; - gather information about national and international laws responsible for the prevention and protection against computer crime.

11.	Course program content: New technologies and their impact What is plagiarism and how to avoid it? Introduction to ethics From ten commandments of computer ethics to ethical codices of professional ICT organizations Introduction to privacy Information privacy Privacy legislation Privacy enhancing technologies Concepts and classification of trust Trust in computer technology Reliability Introduction to security Information technology Surveillance Freedom of speech Assistive technologies Intellectual property Intellectual property protection Software piracy Software patents Impact of ICTs Globalization Professional conduct

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	60 + 0 + 40 + 35 + 45 = 180 hours

15.	Teaching activity forms	15.1.	Lectures – theoretical teaching	60 hours
		15.2.	Exercises (laboratory, auditory), seminar papers, teamwork	0 hours
16.	Other activity forms	16.1.	Project Tasks	40 hours
		16.2.	Independent Learning Tasks	35 hours
		16.3.	Home learning	45 hours

17.	Assessment methodology	
17.1.	Tests	0 points
17.2.	Seminar paper/project (presentation: written and oral)	75 points
17.3.	Activity and learning	25 points
17.4.	Final exam	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	Bynum, T. W., Rogerson, S. (editors)	Computer Ethics and Professional Responsibility	Wiley Desktop Editions	2003
2	Johnson, D.	Computer Ethics	Prentice Hall	2009
3	Quinn, M.	Ethics for the Information Age (5th Edition)	Addison Wesley	2012

22.2.	Additional course material

No.	Author	Title	Publisher	Year