Course Unit Descriptor

Study Programme: Computer Science – Master	
Course Unit Title: Privacy, Ethics and Social Responsibility	
Course Unit Code: CS791	
Name of Lecturer(s): Mirjana Ivanović	
Type and Level of Studies: Master Academic Degree	
Course Status (compulsory/elective): Elective	
Semester (winter/summer): Winter	
Language of instruction: Serbian (primary), English (secondary)	
Mode of course unit delivery (face-to-face/distance learning): Face-to-face	
Number of ECTS Allocated: 6	

Prerequisites: None

Course Aims:
Preparing students to understand and critically analyze factors influencing balance between job efficiency, obeying of laws, moral and ethics, and professional practice in the field of ICT and IS.

Learning Outcomes:
Minimum: It is expected from a student to be competent in acknowledging the concepts of privacy and data protection, intellectual property, security and professionalism.
Desirable: It is expected from a student to be competent in acknowledging and assessing current, as well as future privacy and data security threats. The student should also be acquainted to the practice of social and professional responsibility of computer scientists to their employers and clients, and be able to analyze it. Moreover, the student should be capable of detecting conflicts with regards to data access, piracy and intellectual property.

Syllabus:
Theory
Introductory notions and definitions. Privacy. Trust and reliability. Information security and surveillance. Intellectual property and informatics espionage. Analysis of social, cultural and ethnographic influence on computers and vice versa. The impact of globalization. Information-related risk management.
Practice
Examples of software risks and software crime. Software piracy, the danger of viruses and hackers. Professionalism and codex of behavior. Electronic etiquette. Examples of monopoly in informatics and issues regarding it.

Required Reading:
1. Bynum W. T., Rogerson S.: Computer Ethics and Professional Responsibilities
2. Himma K. E., Tavani T.H.: The Handbook of Information and Computer Ethics
3. Davis K., Patterson D.: Ethics of Big Data
4. Johnson D. G.: Computer Ethics.

Weekly Contact Hours: 4	**Lectures:** 2	**Practical work:** 2

Teaching Methods:
At lectures, classical teaching methodology is applied, with usage of a beam-projector and slides. All of the presentations are available at the Department web-site in a form of static PDF files, but also in a form of dynamic e-lessons. At exercises, through usage of known practical examples, dangers brought into human lives by information technology are analyzed. Part of exercises is conducted through discussion of case-studies from IT practice. During lectures students' knowledge is tested through three tests covering the theory presented during lectures.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation		written exam	
Tests	30	oral exam	40
Preliminary exam(s)		…….	
Seminar(s)	30		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.