

Study program: Artificial Intelligence			
Name of the subject: Privacy, Ethics and Social Responsibility			
Teacher(s): Mirjana K. Ivanović			
Status of the subject: elective			
Number of ECTS credits: 6			
Conditions: none			
Subject goal			
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 AI.			
Outcome of the subject			
<i>Minimum:</i>			
It is expected from a student to be competent in acknowledging the concepts of privacy and data protection, intellectual property, security and professionalism.			
<i>Desirable:</i>			
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 with 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.			
Subject content			
<i>Theory</i>			
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. Challenges introduced by artificial intelligence.			
<i>Practical learning</i>			
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.			
Literature			
<i>Recommended</i>			
1. W.T. Bynum, S. Rogerson: Computer Ethics and Professional Responsibilities, Blackwell Publishing, 2003			
2. Kenneth Einar Himma, Herman T. Tavani: The Handbook of Information and Computer Ethics, Wiley, 2008			
3. Kord Davis, Doug Patterson: Ethics of Big Data, O'Reilly Media, Inc., 2012			
4. D.G. Johnson: Computer Ethics, Pearson, 2008			
Number of active teaching classes	Theoretical teaching: 3	Practical teaching: 2	
Method of carrying out the teaching			
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.			
Evaluation of knowledge (maximum number of points 100)			
Pre-exam obligations	points	Final exam	points
Tests	30	Oral exam	40
Seminar paper	30		