

Study program: Environmental Protection			
Course title: Engineering Informatics			
Professor/assistant: Anica Milošević / Milan Pavlović, Dušan Radosavljević			
Type of course: compulsory			
ECTS credits: 6			
Pre-requisites: -			
Aims of the course: Prepare students to: adopt concepts in the field of information and communication technologies, gain basic knowledge and skills in order to better master the program contents of other subjects in the study program, learn how to use appropriate programs in order to use the computer as a tool for solving and adequately presenting the results of their work.			
Learning outcomes: Student will be able to: use the computer as a tool to help them carry out everyday engineering activities, know how computer systems work, use basic packages for automation of office business, as well as basic packages used in technical practice, know how the Internet works and how to use it.			
Syllabus			
<i>Theoretical part</i> Introduction to the subject. Computer systems. Computer system software (software), operating systems, utilities, application programs. Technical systems of computers (hardware, computers, external memory, input-output devices). Computer networks, organization, network equipment. Internet and internet services.			
<i>Practical part</i> Operating system. Folder system, resource sharing and access rights. Program for word processing, for creating presentations, for working with tables. Connecting computers to the Internet. Internet services: e-mail. Colloquiums.			
Literature			
<ol style="list-style-type: none"> 1. B. Lazić, Fundamentals of Computer Technique, Academic Thought, Belgrade, 2006. 2. Z. Miliwojević, Informatika, Nis, 2008. 3. Ž. Adamović et al., Information technology and modern business, Society for Technical Diagnostics of Serbia, Belgrade, 2009. 4. B. Aleksić, Z. Aleksić, A. Kostic, Informatics for Engineers, VGGG Belgrade, 2010. 			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 1	Laboratory classes: 1	
Teaching methods Theoretical instruction is performed with a combined and interactive method using modern audio-visual means. Practical classes are conducted in a computer classroom. Students resolve cases from practice that they should do independently with consultative assistance of a teaching assistant.			
Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
Pre-exam obligations	points	Final exam	points
activity during theoretical lectures	10	written exam	40
practical training	-	oral exam	-
colloquium(s)/study research work	40/10		
Sum	60	Sum	40