

<b>Study program: Industrial Engineering</b>			
<b>Course title: Engineering Informatics</b>			
<b>Professor/assistant:</b> Anica Milošević / Milan Pavlović,			
<b>Type of course:</b> compulsory			
<b>ECTS credits:</b> 6			
<b>Pre-requisites:</b> -			
<b>Aims of the course:</b> Preparing the student to: - adopt concepts in the field of information and communication technologies; - obtain basic knowledge and skills in order to master better the program contents of other subjects in the study program; - learn how to use the appropriate programs in order to use the computer as a tool in solving and adequately presenting the results of his work.			
<b>Learning outcomes:</b> After taking the course, students 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 use it			
<b>Syllabus</b> <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.			
<b>Literature</b> 1. B. Lazić, Fundamentals of Computer Technique, Academic Thought, Belgrade, 2006. 2. Z. Milivojević, Informatika, Nis, 2008. 3. Ž. Adamović et al., Information technology and modern business, Society for Technical Diagnostics of Serbia, Belgrade, 2009. 4. V. Aleksić, Z. Aleksić, A. Kostic, Informatics for Engineers, VGGG Belgrade, 2010.			
<b>Number of active classes</b>			Other forms of teaching: 1
Lectures: 2	Practical classes: 1	Research work:	
<b>Teaching methods</b> Theoretical instruction is performed with the help of combined and interactive methods 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 from an assistant.			
<b>Grading system</b> (maximum 100 points), <b>grading scale</b> 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.			
<b>Pre-exam obligations</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during theoretical lectures	<b>20</b>	written exam	<b>30</b>
practical training	-	oral exam	
colloquium(s)/seminar papers	<b>40</b>		
<b>Sum</b>	<b>60</b>	<b>Sum</b>	<b>400</b>