

Study program: Informatics			
Course title: Basics of information technology			
Professor: Tatjana B. Miladinović			
Type of course: Compulsory			
ECTS credits: 6			
Prerequisites: none			
Aims of the course: The objective of the course is to introduce students to basic concepts in information technologies, its meaning and the areas of application.			
Learning outcomes: The student can recognize the possibilities for applying information technologies in different areas of professional life.			
Syllabus:			
<i>Theoretical part:</i>			
<ol style="list-style-type: none"> 1. The concept, history and application of information technologies. 2. The theory of information. 3. The work of computer systems. 4. Hardware. 5. Software. 6. Operating systems. 7. Information systems. 8. Computer networks. 9. The security of computer networks. 10. Electronic payment systems. 11. Communication and learning via the Internet. 12. Expectations from further technological development. 			
<i>Practical part:</i>			
<ol style="list-style-type: none"> 1. Installation of virtual machines and operating systems Windows and Linux 2. Work from the DOS command line and Linux 3. Using Linux operating system utilities 4. Creating block schemes and diagrams. 5. Creating algorithms. 			
Literature:			
<ol style="list-style-type: none"> 1. Danko Milašinović, Uvod u informacione tehnologije, Vrnjačka Banja: Univerzitet u Kragujevcu, Fakultet za hotelijerstvo i turizam, 2016 2. James A. Seen, Informaciona tehnologija – principi, praksa, mogućnosti, Kompjuter biblioteka, 2011 3. Neđo Balaban i dr., Informacione tehnologije i informacioni sistemi, Ekonomski fakultet u Subotici, 2006 			
Total number of active classes: 60		Lectures: 30	Practical classes: 30
Teaching methods: Working with students during lectures, auditory and practical classes, and while carrying out computer exercises. During lectures, students are encouraged to think creatively through debates and exchange of views.			
Grading system (maximum 100 points)			
grading scale from 5 to 10: below 51 points – student fails the exam, 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 lectures	max 5	Written exam	50
Practical training	max 5		
Written test(s)	max 25		
Term paper	max 15		
Minimum requirement for the final exam	30		