

Study program: INFORMATION TECHNOLOGY				
Type and level of studies: Basic Academic Studies				
<b>Course unit: INFORMATION TECHNOLOGY</b>				
<b>Teacher in charge: Micic M. Zivadin</b>				
Language of instruction ( <i>English or other foreign language</i> ): English or Russian				
ECTS: 6				
Prerequisites: none				
Semester: Winter				
<b>Course unit objective</b>				
Consolidation of basic knowledge by standardized IT subfields (according to the International Classification of Standards – ICS, ICS1 = 35).				
<b>Learning outcomes of Course unit</b>				
Outcomes enable the student to meet the standardized classification of subfields of IT, and the thematic units from the frame „Course unit contents“.				
<b>Course unit contents</b>				
<i>Theoretical classes</i>				
1) <b>Information technology (IT) in general</b> ( <i>including terminology</i> ); 2) <b>Character sets and information coding</b> ( <i>including coding of audio, picture, multimedia and hypermedia information, IT security techniques, encryption, bar coding, electronic signatures</i> ); 3) <b>Languages used in information technology</b> ; 4) <b>Software</b> ( <i>including software development, documentation, internet applications and use</i> ); 5) <b>Open systems interconnection (OSI)</b> ; 6) <b>Networking</b> ( <i>including LAN, MAN, WAN, ISDN etc</i> ); 7) <b>Computer graphics</b> ; 8) <b>Microprocessor systems</b> ; 9) <b>IT terminal and other peripheral equipment</b> ; 10) <b>Interface and interconnection equipment</b> ; 11) <b>Data storage devices</b> ; 12) <b>Applications of information technology</b>				
<i>Practical classes</i>				
The exercises, homework, seminars. Processed previously mentioned topics. IT applications in ICS2, ICS2 = 35.240.xy /2/.				
<b>Literature</b>				
/1/ ISO: ISO/IEC 2382-x, Information technology — Vocabulary — Part x: x = 1, 2, 3,... 36				
/2/ Ž. Micić et al: Innovation and knowledge trends through standardisation of IT applications, Computer standards & Interfaces, Elsevier, ISSN 0920-5489, No 36 (2), page 423-434.				
/3/ ISO: <a href="http://www.iso.org/iso/en/CatalogueListPage.CatalogueList">http://www.iso.org/iso/en/CatalogueListPage.CatalogueList</a>				
<b>Number of active teaching hours</b>				<b>Other classes</b>
Lectures:	Practice:	Other forms of classes: ( <i>mentoring system</i> )	Independent work:	
<b>Teaching methods:</b> <i>mentoring system</i>				
<b>Examination methods (maximum 100 points)</b>				
<b>Exam prerequisites</b>	<b>No. of points:</b>	<b>Final exam</b>	<b>No. of points:</b>	
Student's activity during lectures		oral examination		
Practical classes/tests	<b>24</b>	written examination	<b>30</b>	
Seminars/homework	<b>24</b>	.....		
Project	<b>22</b>			
Other				
<b>Grade</b>	<b>No. of points</b>	<b>Description</b>		
<b>10</b>	<b>91-100</b>	Excellent		
<b>9</b>	<b>81-90</b>	Exceptionally good		
<b>8</b>	<b>71-80</b>	Very good		
<b>7</b>	<b>61-70</b>	Good		
<b>6</b>	<b>51-60</b>	Passing		
<b>5</b>	<b>0-50</b>	Failing		