

<b>Study program: Modern computer technologies</b>			
<b>Course title: Administration of Computer Networks</b>			
<b>Professor/assistant: Mirko Kosanovic / Dusan Stefanovic</b>			
<b>Type of course:</b> elective			
<b>ECTS credits: 7</b>			
<b>Pre-requisites:</b>			
<b>Aims of the course:</b> Gaining basic knowledge of network operating systems and their services.			
<b>Learning outcomes:</b> Gaining basic knowledge of network operating systems and their services.			
<b>Syllabus</b>			
<i>Theoretical part</i>			
Network Operating Systems and administration task. Network architecture of Windows Operating System. Installation and adjustment of Windows operating system. Definition of Microsoft's Active Directory service and its organization. Physical and logical structure of the domain. Managing users and resources in a networked environment (Windows). DHCP network Service. WINS and DNS network services. File system in Windows operating system. Sharing and security of files and folders. Recording events in Windows operating system. Security issues in network operating systems. Remote connectivity of the network operating system (RAS services). Organization of network services (FTP, print, WEB, Intranet). Terminal services in Windows operating system.			
<i>Practical part</i>			
Introduction to WIN Server 2008 Network Operating Systems, adjustment WIN 2008 (MMC console). Administering. Active Directory service, install and manage domains, trees and forests, creation of user, group and computer accounts, configuring DHCP servers and clients, configuring DNS servers and clients, disk Management in WIN 2008, monitoring system WIN 2008 (Event Viewer, system Monitor, Task Manager), backup and data disaster recovery system.			
<b>Literature</b>			
<ol style="list-style-type: none"> <li>1. Windows Server administracija (Ispit 70-646), Ian McLean, Orin Thomas, CET, 2009.</li> <li>2. Konfigurisanje mrezne infrastrukture Windows Servera 2008 (Ispit 70-642), Tony Northrup, J.C. Mackin, CET, 2009.</li> <li>3. Konfigurisanje aplikativne infrastrukture Windows Servera 2008 (Ispit 70-643), J. C. Mackin, Anil Desai , CET, 2009.</li> <li>4. Konfigurisanje servisa Active Directory Windows Servera 2008 (Ispit 70-640), grupa autora, CET, 2009.</li> </ol>			
<b>Number of active classes</b>			Other forms of teaching:
Lectures:	Practical classes:	Research work:	
<b>Teaching methods</b> Combination of interactive approach with practical problems solving.			
<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>10</b>	written exam	<b>15</b>
practical training	<b>20</b>	oral exam	<b>15</b>
colloquium(s)/seminar papers	<b>40</b>		
<b>Sum</b>	<b>70</b>	<b>Sum</b>	<b>30</b>