

Study program: Modern Computer Technologies			
Course title: Client Server Systems			
Professor/assistant: Mirko Kosanović, Ph. D			
Type of course: compulsory			
ECTS credits: 6			
Pre-requisites:			
Aims of the course: Getting basic knowledge about interconnect technology.			
Learning outcomes: After the passed exam, the student is enabled to understand and apply modern technologies for interconnecting computers.			
Syllabus			
<u>Theoretical part</u> Open processes and systems, standard types and standardization process, network topology and connectivity methods, client server development, client server system components - Client, client software, client server system components - Server, server software, client server connections, protocols for connecting client server systems, client server architectures, client server applications, distributed systems. WWW and WEB services, further development of client server systems.			
<u>Practical part</u> Setting up the network environment and resources, familiarizing with the elements for connecting client server systems, familiarizing with the techniques the client has at their disposal - Clipboard, DDE, OLE, getting familiar with network operating systems - the basics of LINUX Getting acquainted with TCP / IP protocol and its basic commands, getting acquainted with single-user and multiuser work, getting acquainted with TCP / IP services TELNET, FTP and ROUTE command, familiarizing with network programming - socket concept, security concept - SSL protocol			
Literature			
<ol style="list-style-type: none"> 1. ``Klijent server sistemi``, M.Kosanović, interna skripta 2. ``Klijent server sistemi``, interna skripta VETŠ Beograd 3. Steven Guengerich, Patrick Smith, <i>Client Server Computing</i>, http://nutlearners.blogspot.com/2012/10/download-client-server-computing-by.html 4. S.C.Yadav,A.K.Singh,An introduction to Client/Server Computing,New age international,New Delhi, 2009 5. P.Smith, Steve Guengerich, Client/Server Computing (Second Edition), Published by PHI Learning, 2011 			
Number of active classes 60			Other forms of teaching:
Lectures: 30	Practical classes: 30	Research work:	
Teaching methods			
Lectures and practical realization through laboratory exercises.			
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	
practical training	20	oral exam	30
colloquium(s)/seminar papers	20+20		
Sum	70	Sum	30