Study program: Modern computer technology
Course: Client server systems
Professor / Assistant: Mirko Kosanovic / Milos Kosanovic
Status of course: Compulsory
ECTS credits: 7

The goal of course
Acquisition of basic knowledge on technologies for interconnecting computers

Outcomes
Enable students to understand and apply modern technology for interconnecting computers.

Syllabus

Theoretical part
Open systems and processes, types of standards and the standardization process, the network topology and connectivity options, the emergence of client server technology, components, client server systems - Client, software client, client server system components - Server, software server, the connection between client server systems, protocols to connect to client server systems, client server architecture, client server applications, distributed systems, web and web applications, further development of client server systems, Cloud Computing

Practical part:
Setting up the network environment and resources, learn about the elements of a client server system, learning the techniques of which the client has - Clipboard, DDE, OLE, introduction to network operating systems - the basics of Linux, Introduction to the TCP / IP protocol and its basic commands, introduction to single-user and multi-user operation, introduction to TCP / IP services, Telnet, FTP, and command ROUTE, introduction to network programming - the concept of sockets, The Concept of Security - SSL protocol

Literature
2. Patrick Smith,Steve Guengerich, Client/Server Computing (Second Edition), Published by PHI Learning, 2011
3. Steven M. Bobrowski, Mastering Oracle 7 and Client Server Computing, Sybex, John Wiley & Sons
4. Mirko Kosanovic, Klijent Server sistemi, Interna skripta, VTS Nis, 2012

No. of acitve clasess

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<tr>
<th>Lectures: 30</th>
<th>Practise: 30</th>
<th>Other forms of teaching</th>
<th>Research work</th>
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Methods of teaching
Comibination interactive approach with practical problems solving

Grading (maximum 100 points)

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<th>Pre-commitments</th>
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<td>Activity during theoretical lectures</td>
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