Course title: Practicum in Computer Networks 1
Course code: 50051
ECTS credits: 3
Requirements: None
Basic information
Level of studies: Undergraduate applied studies
Year of study: 3
Trimester: 9
Goal: Solving complex problems in local area network administration with the focus on IPv6.
Outcome: Students should independently implement IPv6 configuration on routers and end devices as well as detect, locate and eliminate problems related to IPv6 configuration of a local computer network.
Contents of the course
Theoretical instruction
Practical instruction (Problem solving sessions/Lab work/Practical training)
1. Configuring different types of IPv6 addresses on router interfaces
2. Configuring routing protocols in local computer networks
3. Configuring RIPng
4. Configuring OSPFv3
5. Configuring EIGRPv3
6. Configuring IPv6 access lists on a router
7. Configuring IPv6 DHCP
Textbooks and References
1. J. F. Kurose, K. W. Ross, Умрежавање рачунара од врха ка дну са Интернетом у фокусу, превод шестог издања, РАФ Рачунарски факултет, Београд, CET Computer Equipment and Trade, Београд, 2013, оригинално издање: Computer Networking: A Top-Down Approach Featuring the Internet, Rearson Education, Inc., 2013.

2. W. Odom, "CCNA Routing and Switching 200-125 Official Cert Guide Library", Cisco Press, 2016, ISBN-10: 1-58720-581-5
3. Cisco Networking Academy, "Connecting Networks Companion Guide", Cisco Press, 2014, ISBN-10: 1-58713-332-6
Number of active classes (weekly)
Lectures: 0
Practical classes: 3
Other types of classes: 0
Grading (maximum number of points: 100)
Pre-exam obligations: Points
Activities during lectures: 0
Activities on practical exercises: 50
Seminary work: 0
Colloquium: 20
Final exam: Points
Written exam: 30
Oral exam: 0
Lecturer: Marija Zajeganović, MSc
Associate: Nikola Kurbalija