

Course Unit Descriptor

Study Programme: Communications Technologies and Signal Processing			
Course Unit Title: IP Technology			
Course Unit Code: EK321			
Name of Lecturer(s): Živko Bojović			
Type and Level of Studies: Bachelor level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): summer			
Language of instruction: english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 5			
Prerequisites: none			
Course Aims: Acquiring advanced knowledge in IP technology and IP communications.			
Learning Outcomes: Capability to understand the set of protocols within IP protocol stack and advanced knowledge in routing techniques in IP networks.			
Syllabus: TCP/IP protocol stack, Internet addressing, Basics of IP protocol, ARP and ICMP protocol, Routing in IP networks, Transport layer - UDP, TCP, Flow control in IP networks, IP/MPLS networks, IP services and QoS.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours:	Lectures:	Practical work:	
Teaching Methods: Lectures, tutorial sessions, and lab exercise			
Knowledge Assessment (maximum of 100 points): 100			
Pre-exam obligations	points	Final exam	points
Colloquial Exam	30	Theoretical part of the exam	70
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			