

Study program: KOT SRT			
Course title: IP telephony			
Professor/assistant: Srdjan Jovkovic			
Type of course: elective			
ECTS credits: 5			
Pre-requisites:			
Aims of the course:			
Acquiring knowledge about telephone package. about transferring telephone signals, signaling, numbering (addressing) and user services in packet networks. Getting acquainted with staging and compression of audio and video signals and transferring IP networks. Getting to know the characteristics of public and private (corporate) packet telephone networks			
Learning outcomes:			
After the passed exam, students will be able to design the internet telephone network within the computer network and use the standards for compression and transmission of audio and video signals over the Internet.			
Syllabus			
<i>Theoretical part</i>			
Basics of cell phone marketing. Basic Function. Phone network and its elements. Switching. Signalization. Numeration. Traffic. Availability of a compressor. Wave and Parameters of Communication of the Signal Signal. Compressorhead of the headphone. Internet access for Internet connection, 1. IP. TCP. UDP. ARP.Internetskiprotokolivazni zaInternetefoniju, 2. DNS. RTP. SCTP.InternetConnect Telephone Signals in Public Network. N.323. SIP.InternetConfiguration of telephones in corporate networks. Implementation ofstandardappearance and compression ofudio and video signalsInternet and wireless IP networks: H.26H, MPEG-1, MPEG-2 and MPEG-4.			
<i>Practical part:</i>			
Getting to know the structure of the signal. Getting to know how to get started. Getting to know about the ability to get rid of a corruptor. Create a project for the telephony network. and the algorithm of compression and transmission of sound and images of Internet.			
Literature			
Ж. Марков, "Савремена телефонска техника", 2005.			
Ж. Марков, "Интернет телефонија, Збирка задатака и питања", ИРИТЕЛ, 2005.			
Number of active classes			Other forms of teaching:
Lectures: 30	Practical classes: 30	Research work:	
Teaching methods			
Teaching method is carried out in the form of lectures, calculus and practical exercises. The inductive method is used in the lectures. Based on a series of simpler examples, conclusions are drawn and formed knowledge that over time becomes an engineering intuition			
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	15	written exam	
practical training	15+10	oral exam	30
colloquium(s)/seminar papers	30		
seminar			
Sum	70	Sum	30