

Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Information technology basics			
Course Unit Code: S01321			
Name of Lecturer(s): Simić Dragan			
Type and Level of Studies: Bachelor level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Winter			
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: Acquisition of basic knowledge about the importance and role of computer science and information technology and systems and its use in modern operating systems..			
Learning Outcomes: Acquiring theoretical and practical knowledge and skills concerning the role of information technology and information systems in modern businesses, and also the specifics of IS in the postal service. Acquiring this sort of knowledge the students will be trained for specific jobs engineering is a field of postal services and the easy acceptance of new knowledge in the field of computer technology.			
Syllabus: Information and data. Basic concepts of computer science and information technology. Data organization. Data structure file access methods. Database. Systems for database management. Database Organization. Normalization forms. Relational databases. Privacy Policy. System software. Operating systems. Application software. Algorithms. Programming languages. Fundamentals of Information Systems. Modern information systems. Components of information systems - hardware, software, databases, computer networks, human resources and procedures.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 4		Lectures: 2	
Practical work: 0			
Teaching Methods: Lectures, exercises, computer exercises and continuous individual work.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Project task	25	Written part of the exam	50
Lecture attendance	5		
Test	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			