Study program: Road Traffic Engineering

Course title: Information Systems in Transportation

Professor: Miroljub Banković

Status: Compulsory

ECTS credits: 6

Prerequisites: None

Aims of the course:
Students are taught to increase business efficiency and effectiveness through the use of information technologies in traffic and transport. During the course, (on lectures, practical training and term papers) the students are taught how to apply information technologies in organization and management of road traffic, with the aim of efficiently solving different problems in the field of traffic and transport.

Learning outcomes:
The student will gain knowledge about modern information technologies in traffic and transport which will enable him to efficiently and effectively manage traffic and transport processes.

Syllabus:
The concept and types of information systems, the phases of IS development, modern information technologies in road traffic, the influence of IT and communications on transport and logistics flows, modern methods of controlling and managing transport means, the way and means of communication in transport system, defining a structure of information and managing system, methods for designing information and management system, computer-managed system for transport and storing, European and global projects for the development of IS traffic and transport.

Literature
1. P. Gladović, V. Popović, Savremene informacione tehnologije u drumskom saobraćaju, Fakultet tehničkih nauka, Novi Sad, 2010
2. H. Hanić, Marketinški informacioni sistemi, Ekonomski fakultet, Beograd 1996
3. P. Gladović, Tehnologija drumskog saobraćaja, Fakultet tehničkih nauka, Novi Sad, 2006

Total number of active classes: 4	**Lectures:** 2	**Practical classes:** 2

Teaching methods: Lectures, exercises, term papers. Consultations.

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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

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Pre-exam obligations:	**Points:**	**Final exam:**	**Points:**
Activity during classes	max 10	Oral exam	50
Written test	max 20		
Term papers	max 20		
Minimum requirement for the final exam	30		