

Course Unit Descriptor

Study Programme: Traffic Engineering			
Course Unit Title: Prevention of Accidents			
Course Unit Code: S052			
Name of Lecturer(s): Dragan Jovanović			
Type and Level of Studies: Master 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			
<p>Course Aims: Investigating the forms and causes of accidents. The adoption and development of knowledge about the complexity and possibility of implementing measures of social mechanisms in the prevention and elimination of accidents. The study of different control options in traffic, as one of the most important preventive factor, which allows retention of traffic participant behavior in normatively permissible limits. The possibility of testing the effects of implemented measures to prevent accidents. The acquisition of knowledge about modern methods applied in the field of evaluation of accidents as negative social phenomena.</p>			
<p>Learning Outcomes: Enabling students to organize and build a social mechanism, which would have the possibility of establishing the effective control over the negative developments in traffic, with particular reference to traffic accidents. The creation of planning and synchronized system of diverse and interrelated, organizational, social, educational, technical and science-based measures and activities, including risk in traffic flow within socially acceptable limits. The students develop and apply knowledge of the possibility for intelligent transport systems, preventing traffic accidents.</p>			
<p>Syllabus: The strategy and tactics to prevent traffic accidents. The organization of society in the prevention of accidents. The role of national and international institutions in preventing traffic accidents. Methods and tactics to prevent traffic accidents. Resistance to traffic accidents causes on measures of social intervention. Cost reduction of traffic accidents. Measures of social intervention in the area of traffic safety. Standardisation. Preparing people for participation in traffic. Changing the behavior of traffic participants. The selection of certain categories of road users. Informing the traffic participants. Control and regulation of traffic. Repression</p>			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 5		Lectures: 3	Practical work: 2
Teaching Methods: Lectures, exercises and consultations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Lecture attendance	5	Written part of the exam	35
Exercise attendance	5	Oral part of the exam	35

Term paper	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			