

<b>Study program:</b> Road Traffic Engineering			
<b>Course title:</b> Traffic Safety and Control			
<b>Professor/assistant:</b> Nenad Milutinović			
<b>Type of course:</b> Elective			
<b>ECTS credits:</b> 6			
<b>Prerequisites:</b> none			
<b>Aims of the course:</b> Acquiring the necessary knowledge in the field of forensic engineering and traffic control. The student is trained to investigate traffic accidents. Acquiring basic knowledge in the field of traffic accident expertise. Acquiring knowledge of technical equipment for performing the inspection, traffic control and vehicle inspection. Enabling the student to determine the level of damage to the vehicle.			
<b>Learning outcomes:</b> Mastering the techniques and procedures for investigating traffic accidents. Application of the acquired knowledge in making an insight documentation. The use of contemporary technical equipment and software in the analysis of traffic accidents.			
<b>Syllabus:</b> The term, subject and importance of traffic safety techniques and control – basic terms and definitions. Inspection of the traffic accident. Traffic accident marks and evidence and their analysis. Expertise in traffic accidents. Analysis of a vehicle's motion and stopping. Actions and processes in traffic. Determining/defining relevant parameters for the analysis of traffic accidents. New technologies in forensic engineering. Determining the place of a crash and the way of moving of all participants in the accident. Determining the vehicle's speed in a crash. Time-spatial analysis of traffic accidents. Methods of preparing expertise reports on traffic accidents. Determining the level of damage to the vehicle. Traffic control techniques.			
<b>Literature:</b> 1. Kostić, S.; Tehnika bezbednosti i kontrole saobraćaja, FTN, Novi Sad, 2002. 2. Dragač, R.; Bezbednost saobraćaja III deo, Saobraćajni fakultet, Beograd, 2001. 3. Šotra D.; Čarapić, G.; Vještačenje saobraćajnih nezgoda, LO Podgorica. 4. Miletić, B.; Kontrola i regulisanje saobraćaja, VŠUP Beograd 1997. 5. Vujanić, M, Antić, B.: Zbirka zadataka iz bezbednosti saobraćaja sa praktikumom 1 deo, Saobraćajni fakultet, Beograd, 2006.			
<b>Total number of active classes: 60</b>		<b>Lectures: 30</b>	<b>Practical classes: 30</b>
<b>Teaching methods:</b> Lectures: interactive approach Practical training: writing term papers, reports, presentations, experimental work, consultation			
<b>Grading system</b> (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, 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.			
<b>Pre-exam obligations:</b>	<b>Points:70</b>	<b>Final exam:</b>	<b>Points:</b>
Activity during lectures	max 5	Oral exam	max 30
Practical training	max 5		
Term paper	max 20		
Written test(s)	max 30		
Test	max 10		
Minimum requirement for the final exam	40		