

<b>Study program:</b> Road Traffic Safety			
<b>Course title:</b> Expertise of Traffic Accidents			
<b>Professor/assistant:</b> PhD Dejan S. Bogicevic			
<b>Type of course:</b> compulsory			
<b>ECTS credits:</b> 7			
<b>Pre-requisites:</b> completed exam from the course on <i>Technical Safety and Control of Vehicles</i>			
<b>Aim of the course</b> To obtain necessary theoretical and practical knowledge on methods and procedures for preparing findings and the opinion of experts, expertise of traffic accidents and the assessment of damage on vehicles.			
<b>Learning outcomes</b> Upon completion of the course and after taking the exam, the student is capable of: <ul style="list-style-type: none"> <li>– defining the domain of work and the role of experts as professionals in the field of traffic and technology in the court process</li> <li>– determining relevant parameters needed for the analysis and the expertise of traffic accidents,</li> <li>– defining the composing parts and elements when preparing the findings and the expert opinion,</li> <li>– stating the opinion on failures causally related to the occurrence of traffic accidents,</li> <li>– preparing complete findings and the expert opinion for simpler traffic accidents,</li> <li>– doing the reconstruction of traffic accidents by visiting the site,</li> <li>– establishing the amount of damage on vehicles.</li> </ul>			
<b>Syllabus</b> <i>Theoretical part:</i> Importance and methodology of doing a reconstruction and expertise of traffic accidents. Defining the domain of work and the role of experts in the field of traffic and technology in the court process. Determining relevant parameters necessary for the analysis and the expertise of traffic accidents. Composing parts and elements when preparing the Findings and the Expert Opinion (place of collision, speeds of the traffic accident participants, temporal and spatial analysis of the accident flow). Stating the opinion and conclusions on failures causally related to the occurrence of traffic accidents. Methods and procedures for assessing damage on vehicles. Application of computer programs in expertise of traffic accidents and assessing the damage on vehicles. <i>Practical part:</i> Auditory classes accompany the theoretical lectures. Within the course, it is planned to do a reconstruction simulation of a traffic accident by going to the driving range. The composition of a seminar paper by preparing the Findings and the Expert Opinion (calculations of necessary parameters) for characteristic types of traffic accidents such as : vehicle-pedestrian, vehicle-bicycle, vehicle-vehicle. Practical assessment of damage on a vehicle. Application of specialized computer programs used in expertise of traffic accidents. Searching for adequate material on the internet. Visits to the representatives of economy.			
<b>Literature</b> <ol style="list-style-type: none"> <li>1. Kostic, S., <i>Tehnike bezbednosti i kontrole saobracaja</i>, FTN, Novi Sad, 2002.</li> <li>2. Dragac R.: M.Vujanic: <i>Bezbednost saobracaja</i>, SF, Beograd, 2002.</li> <li>3. Vujanic M. <i>Zbirka zadataka iz bezbednosti saobracaja</i>, SF, Beograd, 2004.</li> <li>4. Vodinelic V.: <i>Saobračajna kriminalistika</i>, Savremena administracija, Beograd, 1986.</li> <li>5. F.Rotim.: <i>Elementi sigurnosti cestovnog prometa I, II, III</i>, Zagreb, 1989.</li> <li>6. Vujanic M, i dr.: <i>Prirucnik za saobračajno tehnicka vestacenja</i>, SF, Beograd, 2009.</li> </ol>			
<b>Number of active classes</b>			Other forms of teaching:
Lectures: 4	Practical classes: 3	Research work:	
<b>Teaching methods</b> Teaching is delivered in the form of lectures, auditory, computational and graphical classes, as well as individual and team presentations. Within the course, it is planned the preparation of a seminar paper-individual and group projects in which students will apply the obtained knowledge in solving practical problems.			
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.			
<b>Pre-exam obligations</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
activity during theoretical lectures	<b>10</b>	written exam	<b>25</b>
practical training	<b>10</b>	oral exam	<b>25</b>
colloquium(s)/seminar papers	<b>20/10</b>		
<b>Sum</b>	<b>50</b>	<b>Sum</b>	<b>50</b>