

<b>Study Programme:</b> Master academic studies of forensics			
<b>Course Unit Title:</b> Motor vehicles forensics			
<b>Course Unit Code:</b> SF-09			
<b>Name of Lecturer(s):</b> Assistant Professor Dragan Ružić			
<b>Type and Level of Studies:</b> Master Academic Degree			
<b>Course Status (compulsory/elective):</b> Elective			
<b>Semester (winter/summer):</b> Summer			
<b>Language of instruction:</b> English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 6			
<b>Prerequisites:</b> None			
<b>Course Aims:</b> Acquisition of extended knowledge about motor vehicle technology which is relevant for harmful events and other areas of motor vehicle exploitation in relation to law regulative and acquiring practical techniques of motor vehicles and its components expertise.			
<b>Learning Outcomes:</b> After acquiring knowledge, the student is able to: <ol style="list-style-type: none"> <li>1. manages and carries out activities in the field of motor vehicles forensics;</li> <li>2. applies the acquired skills of collecting, analyzing and interpreting relevant technical information and concludes the importance of resolving court procedure based on them;</li> <li>3. applies modern techniques for testing of evidences in the field of motor vehicles and competently communicates with multidisciplinary forensics teams.</li> </ol>			
<b>Syllabus:</b> <i>Theory</i> Motor vehicles classification. Technical conditions which are important for road safety. Basics of vehicle design: suspension system, steering system, braking system, vehicle structure and body, active and passive safety systems, other systems of importance for the safety of vehicle exploitation and reconstruction of a traffic accident. Motor vehicle technical inspection. Inspection and testing of vehicle which was involved in a road accident. Causal and consequential analysis of the condition of certain vehicle systems. Analysis of tachograph records. Damage estimation and expertise in legal litigation about vehicle system malfunction. Verification of the authenticity of identification and other vehicle data. <i>Practice</i> An example of a vehicle inspection that was involved in a road accident and an overview of the motor vehicle components and report making.			
<b>Required Reading:</b> <ol style="list-style-type: none"> <li>1. Stojić B., Poznanović N., Ružić D., Dorić J. : Drumska vozila, FTN Novi Sad, 2014.</li> <li>2. Ružić D., Poznanović N. : Studije slučaja mašinskih veštačenja motornih vozila, FTN Novi Sad, 2016.</li> <li>3. Lipovac K. : Uviđaj saobraćajnih nezgoda, Viša škola unutrašnjih poslova, Beograd, 2000.</li> <li>4. Dragač R., Đorđević M: Tipični primeri ekspertiza saobraćajnih nezgoda, Službeni list SRJ, Beograd, 2007.</li> </ol>			
<b>Weekly Contact Hours:</b> 5(75)		<b>Lectures:</b> 3(45)	
<b>Practical work:</b> 2(30)			
<b>Teaching Methods:</b> Lectures, experimental exercises and consultations.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	30
Practical work	10	oral exam	20
Seminar(s)	20	practical exam	10