

<b>Study program:</b> Road Traffic Engineering			
<b>Course title:</b> Traffic Regulation			
<b>Professor/assistant:</b> Nenad Milutinović			
<b>Type of course:</b> Compulsory			
<b>ECTS credits:</b> 6			
<b>Prerequisites:</b> none			
<b>Aims of the course:</b> Students gain fundamental knowledge about the traffic flow, its characteristics, basic parameters and procedures for its measurement and calculation. Acquiring knowledge about the capacity (permeability) of all operating/functioning parts of the road network and methods for determining them. Acquiring knowledge of traffic signals, traffic equipment, procedures and measures that are applied in traffic regulation.			
<b>Learning outcomes:</b> Application of the acquired knowledge for the analysis of traffic flows on roads and intersections. Training students to determine the capacity of all functional elements of the road and street network. Students apply acquired knowledge to solve actual problems related to regulation of traffic on road and street network.			
<b>Syllabus:</b> The basic parameters of the traffic flow. Specifics of the traffic flow. Theoretical relations between basic values of the traffic flow. The capacity and level of service at highways, two-way roads and super highways. The capacity and level of service at priority intersections, roundabouts, signaled crossroads. Normative acts on traffic regulation. Traffic signalization and equipment. Techniques for traffic control on street and road network. Regulation of traffic by light signals. Determining parking space and space for stopping; parking regulation.			
<b>Literature:</b> <ol style="list-style-type: none"> <li>1. Kuzović Lj., Bogdanović, V.: Teorija saobraćajnog toka, Edicija: „Tehničke nauke - udžbenici“, 2004</li> <li>2. Kuzović Lj.: Kapacitet i nivo usluge drumskih saobraćajnica, Saobraćajni fakultet, Beograd, 2002</li> <li>3. Stanić, B., Zdravković, P.: Elementi saobraćajnog projektovanja "Horizontalna signalizacija", Saobraćajni fakultet, Beograd 1997</li> <li>4. Stanić, B., Zdravković, P.: Elementi saobraćajnog projektovanja "Vertikalna signalizacija", Saobraćajni fakultet, Beograd 1997</li> <li>5. Đorđević, T.: Regulisanje saobraćajnih tokova svetlosnom signalizacijom, Građevinska knjiga, Beograd, 1987.</li> <li>6. Milosavljević, N: Elementi za tehnološko projektovanje objekata u drumskom saobraćaju i transportu, Saobraćajni fakultet, Beograd, 1998</li> </ol>			
<b>Total number of active classes:</b> 60		<b>Theory classes:</b> 30	<b>Practical classes:</b> 30
<b>Teaching methods:</b> Theory teaching: interactive approach. Practical classes: preparation of professional and/or term papers and studies; and presentations. Consultations			
<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:</b>	<b>Final exam:</b>	<b>Points:</b>
Activity during lectures	max 5	Oral exam	50
Practical training	max 5		
Paper work (task)	max 20		
Written tests	max 20		
Minimum requirements for the final exam	30		