

<b>Study program:</b> Road Traffic Engineering			
<b>Course title:</b> Traffic Regulation and Management			
<b>Professor/assistant:</b> Nenad Milutinović			
<b>Type of course:</b> Elective			
<b>ECTS credits:</b> 6			
<b>Prerequisites:</b> none			
The course is selected by a student depending on his interests and the topic covered by the master's thesis.			
<b>Aims of the course:</b>			
The students master necessary theoretical and practical knowledge about traffic flows, traffic management and regulation of traffic on rural and urban roads.			
<b>Learning outcomes:</b>			
Students are trained to manage and regulate traffic on both rural and urban roads using standard and modern systems for regulation and management.			
<b>Syllabus:</b>			
Traffic flows. Characteristics and basic parameters of traffic flows. Regulation of traffic flows on rural roads. Regulation of traffic on urban roads and street networks. Traffic management systems. Traffic management at intersections, corridors and street networks. Software for traffic management and regulation. Intelligent systems in traffic management.			
<b>Literature:</b>			
<ol style="list-style-type: none"> <li>1. Stanić, B.: Elementi saobraćajnog projektovanja: Horizontalna signalizacija, Saobraćajni fakultet, Beograd, 2003.</li> <li>2. Stanić, B.: Elementi saobraćajnog projektovanja: Vertikalna signalizacija, Saobraćajni fakultet, Beograd, 2003.</li> <li>3. Đorđević T.: Regulisanje saobraćajnih tokova svetlosnom signalizacijom, Saobraćajni fakultet, Beograd, 2000.</li> <li>4. Vukanović S, Stanić B, Upravljanje saobraćajem pomoću svetlosnih signala, Saobraćajni fakultet, Beograd, 1997.</li> </ol>			
<b>Total number of active classes:</b> 5		<b>Lectures:</b> 3	<b>Practical classes:</b> 2
<b>Teaching methods:</b>			
Lectures: interactive approach			
Practical teaching: term papers, research and experimental work. Consultations.			
<b>Grading system</b> (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 lectures	max 10	Oral exam	50
Term paper	max 20		
Written tests	max 20		
Minimum requirement for the final exam	30		