

<b>Study program: Road Traffic</b>			
<b>Course title: Public Transport</b>			
<b>Professor/assistant: Pavle Gladovic / Milan Stanković</b>			
<b>Type of course: compulsory</b>			
<b>ECTS credits: 8</b>			
<b>Pre-requisites:</b>			
<b>Aims of the course</b> Mastering of theoretical and practical knowledge related to the organization and technology of public passenger transport, characteristics of trips and quality of transport services. The acquisition of specific knowledge about the significance of all elements of line, passenger flow, quality of service and quality of the system.			
<b>Learning outcomes</b> By completion of this course and after passing the exam, the student is able to: <ul style="list-style-type: none"> <li>– determine the number of vehicles in operation on the network line,</li> <li>– determine authoritative passenger flow on joint and separate parts of the route line,</li> <li>– define transport requirements with respect to transportation facilities,</li> <li>– organize the count and a poll of passengers in vehicles and at stops,</li> <li>– make timetables and propose measures to eliminate disturbances in the timetable.</li> </ul>			
<b>Syllabus</b> <u>Theoretical part:</u> Basic concepts related to public transport passengers, the definition of static and dynamic elements of the line. Classification of lines and optimal network structure lines. Definition of transport requirements and the characteristics of passenger flow on the line. Research methods of transport demands, systematic control of counting passengers, passenger poll. Determining the transport process, modeling timetables. Causes of disturbance in the timetable and the measures for their removal. Tariffs and billing system. Quality of transport services. Defining parameters for measuring the quality of transport services. <u>Practical part:</u> Practical exercises follow the theoretical classes. The course encompasses computational tasks related to the number of vehicles in operation, intervals, frequency, maximal number of passengers. It is planned to count passengers on certain routes of public transport, produce a matrix of entries and exits of passengers at stops, and propose new timetables based on it.			
<b>Literature</b> 1. Bankovic R , Organization and Technology of Public Passenger Transport, Traffic Engineering Belgrade, Belgrade, 1994. 2. Veselinovic M., Practicum with a collection of tasks from the technology of public passenger transport, Faculty of Technical Science Novi Sad, Novi Sad 2008. 3. Gladovic P., The System of Quality for Road Transport, Faculty of Technical Science Novi Sad, Novi Sad 2013. 4. Bankovic R., Planning of Public Passenger Transport, Building Book Belgrade, Belgrade, 1984.			
<b>Number of active classes</b>			Other forms of teaching:
Lectures: <b>45</b>	Practical classes: <b>60</b>	Research work:	
<b>Teaching methods</b> Classes are held in the form of lectures, auditory, computational exercises and consultations. This course provides for the production of graphic work - drawing timetable for a line of work for the period in which students will apply their knowledge to solve practical problems.			
<b>Grading system</b> (maximum 100 points), <b>grading scale</b> 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	10	written exam	50
practical training	10	oral exam	-
colloquium(s)/seminar papers	30		
<b>Sum</b>	<b>50</b>	<b>Sum</b>	<b>50</b>