

Study program: Road Traffic Engineering			
Course title: Public Transport			
Professor/assistant: Miroslav Božović			
Type of course: Compulsory			
ECTS credits: 6			
Prerequisites: none			
Aims of the course: Getting familiar with the basic elements of the public transport and its significance in urban areas.			
Learning outcomes: Training the student to independently plan and organize public transport in different technological conditions.			
Syllabus: Means of passenger transport; public transport. Basic elements and structures of urban public transport. Mobility of inhabitants, spatial distribution and characteristics of transport demands. Lines and network lines. Elements of a line structure and its functioning. Passenger flows and its characteristics. Transport demands, ways of determining it, relevant values, changes of transport demand in time. Transport abilities of a line, defining the number of vehicles in operation on the network line. Timetables, types and the way of forming it. Tariffs, ticketing, billing system. Out-of-line transport in urban areas, different types of paratransit. The quality of public transport. Indicators of transport performance.			
Literature: <ol style="list-style-type: none"> 1. Radovan Banković: Organizacija i tehnologija javnog gradskog putničkog prevoza, Saobraćajni fakultet, Beograd, 1994. 2. Snežana Filipović: Optimizacija u sistemu javnog gradskog putničkog prevoza, Saobraćajni fakultet, Beograd, 1995. 3. Miroslav Božović: Javni transport putnika (autorizovana predavanja), VTŠ, Kragujevac, 2015. 			
Total number of active classes: 90		Lectures: 45	Practical classes: 45
Teaching methods: Lectures: (presentations, interviews, computer presentations). Practical training: tasks and examples, term papers, case studies. Consultations.			
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.			
Pre-exam obligations:	Points:	Final exam:	Points:
Activity during theoretical lectures	max 5	Oral exam	50
Practical training	max 5		
Written test(s)	max 20		
Term papers	max 20		
Minimum requirement for the final exam	30		