

Study program: Communal Engineering			
Course: Planning, Construction and Maintenance of Urban Roads			
Professor: PhD Dragan Ž. Perić			
Status of course: elective			
ECTS credits: 7			
Pre-requisites: none			
Aims of the course: The aim of the course is to train students for work on the construction and maintenance of urban roads. The course program is designed to give students a certain level of ability to participate independently or in a team on the construction and maintenance of urban roads.			
Learning outcomes: The student's ability to participate independently or as a team member in the construction and maintenance of urban roads. The outcome of the course is to enable students to solve specific problems when designing linear buildings, as well as to make them apply the acquired knowledge in construction of roads.			
Syllabus: <u>Theoretical part</u> Construction of urban roads. Specificity in comparison of the construction of rural roads. Construction of the lower level of city roads. Construction of the upper level of city roads. Maintenance of city roads. Summer and winter maintenance. Enhanced maintenance. <u>Practical part</u> Examples from practice. Tour of construction sites where works on the construction and maintenance of a city road are being carried out.			
Literature: <ol style="list-style-type: none"> 1. Z. Radojković, <i>Sistemi upravljanja kolovozima</i>, Građevinska knjiga, Belgrade, 1990. 2. A. Cvetanović, <i>Održavanje puteva</i>, Direkcija za puteve, Belgrade, 1993. 3. Uzelac. Đ., <i>Baze podataka o putevima, mostovima i saobraćaju u okviru integrisanog informacionog sistema o putnoj mreži</i>, 2002. 4. A. Cvetanović, <i>Popravke kolovoznih konstrukcija</i>, Akademska misao, 2011. 			
Number of active classes			Other forms of teaching:
Lectures: 3	Practical classes: 4	Laboratory classes: 0	
Teaching methods: Combined interactive teaching with examples from practice and fieldwork in order to collect data for organizing the construction and maintenance of a city road.			
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-commitments	points	Final exam	points
activity during lectures	10	written exam	-
practice training	25	oral exam	30
colloquium(s)	20 + 15		
Sum	70	Sum	30