

Study program: Road Traffic Safety			
Course title: Exploitation and maintenance of roads			
Professor/assistant: PhD Dragan Ž. Perić			
Type of course: elective			
ECTS credits: 7			
Pre-requisites:			
Aim of the course The objective of the course is to train students for work in relation to exploitation and maintenance of roads. The course program is thus designed to give students a certain level of ability to be able to participate independently and teamfully in tasks related to the exploitation and maintenance of roads.			
Learning outcomes After completion of the course and examination student is able to: <ul style="list-style-type: none"> – organizes and conducts control of the public road in exploitation from the aspect traffic safety, – develop a project for the safety audit of traffic, – develop a project of a strategic comparative analysis of the impact of the road to safety traffic on the road network, – determining the cause or the contribution of the public road to the occurrence of traffic accidents, – organizes and implements the regular and enhanced state of roads. 			
Syllabus <i>Theoretical part:</i> Exploitation of roads. Specificity of exploitation in urban areas. Regular control of the public road in operation from the aspect of traffic safety on the road, project of traffic safety audit, strategic comparative analysis project the impact of the road on traffic safety on the road network, determining the cause, ie contribution of the public road to the occurrence of a traffic accident, Regular and increased state roads. Tasks and goals of road maintenance. Specificity of maintenance in the inhabited places. Summer and winter maintenance within regular maintenance. Reinforced road maintenance. <i>Practical part:</i> Examples from practice. Method of exploitation and monitoring of exploitation by appropriate services. Defining a road maintenance plan with works on maintenance. First colloquium.			
Literature <ol style="list-style-type: none"> 1. A. Cvetanović, Održavanje saobraćajnice Naučna knjiga, Beograd 1992 2. V.Andus, M.Maletin: Projektovanje puteva, Građevinska knjiga, Beograd 1995. 3. V. Andus, M.Maletin: Gradske saobraćajnice, Građevinska knjiga, Beograd 1996. 4. Grupa autora, Priručnik za obuku osoblja na zimskom održavanju puteva, Putevi Srbije Beograd, 2008. 5. Grupa autora, Priručnik -strateško planiranje u sektoru puteva, Putevi Srbije, Beograd, 2008. 6. Grupa autora, Priručnik revizija bezbednosti na putevima, Putevi Srbije Beograd, 2008. 			
Number of active classes			Other forms of teaching:
Lectures: 3	Practical classes: 4	Research work:	
Teaching methods			
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	10	written exam	-
practical training	25	oral exam	30
colloquium(s)/seminar papers	35		
Sum	70	Sum	30