

Study program: Road Traffic			
Course title: Reloading Machinery			
Professor/assistant: Boban Cvetanović/Milan Stanković			
Type of course: compulsory			
ECTS credits: 5			
Pre-requisites: no			
Aims of the course Acquiring basic knowledge about means for carrying out transport and transportation works.			
Learning outcomes Obtaining basic knowledge on reloading and the funds for its implementation, as well as training for further study on reloading-transport machinery. Introduction to the concepts of transport networks and optimization of the movement routes of vehicle transfer.			
Syllabus <u>Theoretical part:</u> The term of reloading. Characteristics of transport material. Capacities of reloading-transport machines. The term of reloading machinery. Machines with discontinuous cycles. Cranes. Auxiliary devices cranes. Forklifts. Automatic guided vehicles. Machines of continuous transport with towing element (belt conveyors, elevators, hanging conveyors ...) Continuous transport machines without traction element (oscillating, cylindrical, worm conveyors ...). Safety of the transshipment and transport processes. Transit networks. Route of movement of transshipment vehicles (tractors, carrettes, etc.). <u>Practical part:</u> Calculations for continuous transport machines and cranes.			
Literature			
<ul style="list-style-type: none"> • Sretenović, M., Mehanizacija pretovara-pretovarne mašine i projektovanje pretovarnih procesa, Beograd, 1996. • Vidić, M., Kvantitativna analiza sistema rukovanja materijalom, Saobraćajni fakultet Beograd, 2007. • Teodorović, D., Transportne mreže, Saobraćajni fakultet Beograd, 2007. 			
Number of active classes			Other forms of teaching:
Lectures: 30	Practical classes: 30	Research work:	
Teaching methods Combined, interactive with case management from practice.			
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		written exam	40
practical training	5	oral exam	
colloquium(s)/seminar papers	40/15		
Sum	60	Sum	40