

Study program / course: Mechanical Engineering				
Type and level of study: Master academic studies				
Course: SERVICEABILITY OF MOTOR VEHICLES AND ENGINES 2				
Lecturers: Krstic V.Bozidar				
Status of course: Obligatory for module M3, II semester				
Number of ECTS: 6				
Precondition: none				
The objective of course Explaining to the students themes such as: Serviceability of motor vehicles with special purpose (vehicles for carrying dangerous goods, army vehicles, vehicles for first aid, vehicles for fire brigade and other vehicles with special purpose); Serviceability of motor vehicles in special working condition; Calculating methods in automotive transport.				
The outcome of course Serviceability organization of motor vehicles in special working condition (working under high temperatures, working under low temperatures, working on the higher level above the sea); Serviceability organization of motor vehicles with special purpose (vehicles for carrying dangerous goods, army vehicles, vehicles for first aid, vehicles for fire brigade,...); Calculating methods in automotive transport (costs, productivity,...); Optimization organization serviceability of vehicles.				
Syllabus				
Theoretical study				
1. Major concept and definitions; subject and goal.				
2. Primary calculate in automotive transport				
3. Serviceability of vehicles in special working condition (working under high temperatures, working under low temperatures, working on the higher level above the sea)				
4. Serviceability specification of vehicles with special purpose				
5. Serviceability of vehicles with special purpose (serviceability of vehicles for carying dangerous goods, serviceability of army vehicles, serviceability of vehicles for first aid, serviceability of vehicles for fire brigade, serviceability of other vehicles with special purpose (tank swap bodies, bulk containers,...))				
Practical Studies:				
Student has commitment to be present on practical part of subject and to finish one homework.				
Recommended reading				
1. B.Krstic: Serviceability of motor vehicles and engines, Faculty of Mechanical Engineering, Kragujevac, 1997.				
2. B. Krstic, D. Mladjan: Safety of using vehicles for carrying dangerous goods by road, University of Mechanical Engineering, Kragujevac, 2007.				
3. B.Krstic: Hydrodynamic idler of power for motor vehicles aggregate, monograph, Faculty of Mechanical Engineering, Kragujevac, 2003.				
The number of hours of active teaching:				Other classes:
Theory: 2	Practical classes: 1.6	Other forms of teaching: 0.4	Research study: 0	1
Methods of teaching				
Course consist two parts: theoretical and practical. Getting marks is very easy: all the student has to do is to past two tests during semester and one written work, so called in Serbia, "seminars work". Base on that, student can get min 30points and max 70points. The final, speak test, is obligate. There is another way of getting mark; et the end of the semester, student can show his knowledge on the written and speak test, in front of professor.				
Evaluation of knowledge				
Pre-final exam obligations	points	Final exam	points	
Activities during the classes:	5	oral exam	30	
Tests:	45			
Seminar(s) :	20			