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| Study program: Road Traffic Engineering | | | |
| Course title: Maintenance of Fleet Vehicles | | | |
| Professor/assistant: Đukić V. Rade | | | |
| Type of course: Elective | | | |
| ECTS credits: 6 | | | |
| Prerequisites: The course is selected by a student depending on his interests and the topic covered by the master's thesis. | | | |
| Aims of the course: The students acquire basic knowledge about management and maintenance of fleet vehicles in order to successfully realize transportation processes in the given environment. The students get acquainted with the elements of fleet vehicles maintenance that are necessary for engineers to solve problems/tasks. | | | |
| Learning outcomes: The student will be able to independently design and maintain vehicles and fleet vehicles, using techniques of maintenance and by defining the interaction on the optimal organization, with the proper estimation of possible risks. | | | |
| Syllabus: <i>Theoretical part:</i> Current state of transport means, life cycle and the effectiveness of invested funds. Technological basis of the maintenance system. Methods for estimating changes of vehicles. Jobs for various types of maintenance (preventive, corrective and combined). Variants of technological solutions, maintenance and use of vehicles in special conditions. Defining the maintenance capacity. Information systems, logistics. Means of specialized and type services. The role and importance of maintenance directed by new requirements of the system quality in transport. <i>Practical part:</i> Auditory exercises – detailed analysis, solving tasks, independent term papers in the field of designing and maintenance of vehicle and fleet vehicle services. | | | |
| Literature: 1. Vasić B., Janković D., Curović D.; Tehnologija održavanja vozila, projektovanje I proračun kapaciteta za održavanje, Mašinski fakultet, Beograd, 2000. 2. Janković D., Duboka Č.: Održavanje motornih vozila: objekti, dijagnostika, unutrašnja kontrola, informacioni sistemi, Mašinski fakultet, Beograd, 1984. 3. Todorović J.: Održavanje motornih vozila, osnovi teorije održavanja, Mašinski fakultet, Beograd, 1984. 4. Perišić R.: Sistem kvaliteta usluga, logistika i informatika, Institut tehničkih nauka, Beograd, 2002. 5. Veselinović M.: Sistem kvaliteta u drumskom transportu, FTN, Novi Sad, 2008. | | | |
| Total number of active classes: 5 | | Lectures: 3 | Practical classes: 2 |
| Teaching methods: Lectures - interactive; Practical training – auditory exercises, solving tasks, term papers. | | | |
| 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 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 | | |