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| Study program: Industrial engineering | | | |
| Course title: Reloading Machinery | | | |
| Professor/assistant: PhD Boban Cvetanovic | | | |
| Type of course: elective | | | |
| ECTS credits: 5 | | | |
| Pre-requisites: - | | | |
| Aims of the course: Acquiring basic knowledge about means for carrying out transport and transportation works. | | | |
| Learning outcomes: Acquiring basic knowledge on reloading and the funds for its implementation as well as training for further studies on reloading-transport machinery. Introduction to the concepts of the transport network and optimizing the movement route of vehicle transfer. | | | |
| Syllabus | | | |
| <i>Theoretical part</i> | | | |
| The term of reloading. <u>Characteristics</u> of transport material. Capacities of reloading-transport machines. The term of reloading machinery. Machines with discontinuous cycle. 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. Movement route of transshipment vehicles (tractors, carrettes, etc.). | | | |
| <i>Practical part</i> | | | |
| Calculation of continuous transport machines and cranes. | | | |
| Literature | | | |
| <ol style="list-style-type: none"> 1. Sretenović, M., Mehanizacija pretovara-pretovarne mašine i projektovanje pretovarnih procesa, Beograd, 1996. 2. Vidić, M., Kvantitativna analiza sistema rukovanja materijalom, Saobraćajni fakultet Beograd, 2007. 3. Teodorović, D., Transportne mreže, Saobraćajni fakultet Beograd, 2007 | | | |
| Number of active classes | | | Other forms of teaching: |
| Lectures: 2 | Practical classes: 2 | 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 | 5 | written exam | 40 |
| practical training | | oral exam | |
| colloquium(s)/seminar papers | 40+15 | | |
| Sum | 60 | Sum | 40 |