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| **UNIVERSITY OF NIŠ** | | | | | | | | | | |
| **Course Unit Descriptor** | | | | **Faculty** | | | Faculty of Mechanical Engineering | | | |
| **GENERAL INFORMATION** | | | | | | | | | | |
| Study Program | **Engineering Management** | | | | | | | | | |
| Study Module (if applicable) | Transport and logistics management | | | | | | | | | |
| Course Title | Transportation technology | | | | | | | | | |
| Level of Study | ☐Bachelor | | | | | ☒ Master’s | | | | ☐ Doctoral |
| Type of Course | ☒ Obligatory | | | | | ☐ Elective | | | | |
| Semester | ☒ Autumn | | | | | ☐ Spring | | | | |
| Year of Study | I | | | | | | | | | |
| Number of ECTS Allocated | 6 | | | | | | | | | |
| Name of Lecturer/Lecturers | Miomir Lj. Jovanović, Ljubislav T. Vasin | | | | | | | | | |
| Teaching Mode | ☒ Lectures | | | | | ☐ Group tutorials | | | | ☐ Individual tutorials |
| ☒ Laboratory work | | | | | ☒ Project work | | | | ☒ Seminar |
| ☐ Distance learning | | | | | ☐ Blended learning | | | | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** | | | | | | | | | | |
| Introducing students with the most important characteristics of technology in all aspects of pablic transport and transporting sectors, as well as the internal technologies (industrial) transport. Knowledge provides understanding of technology, quality solutions of transportation tasks in practice and choice of adeqate technologies of transport. | | | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | | | |
| 1. Transport and Transportation systems. 2. Technology of Classic transport land technology, inland-river, land- maritime and land-air classical transport. 3. Technology of Land Container transport. 4. Technology Road - rail transportation. Technology of different types of vehicles transport. 5 Technology of mainland - maritime transportation. RO-RO systems. Barges in water transport. 6. Transportation technology in air traffic. The transportation of ISO containers. 7. Technology pipe transport. Transportation of oil. Transportation of gas. Transportation of solid materials by fluid. Pneumatic transport. 8. Domestic (Industrial) Transportation: Transportation in the production system. Transportation in the warehouse. Transportation in mines. Equipment for transport and storage. Machines for transportation. 9. SPECIAL TRANSPORT: Transport of large and heavy loads. Transportation of hazardous materials. Biological systems (environmental) protection of the incident. Practical classes: laboratory exercises, seminars. | | | | | | | | | | |
| Language of Instruction | | | | | | | | | | |
| ☒ Serbian (complete course) | | ☒ English (complete course) | | | | | | ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course) | | |
| ☐ Serbian with English mentoring | | ☐ Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | |
| **Assessment Methods and Criteria** | | | | | | | | | | |
| **Pre exam Duties** | | | **Points** | | **Final Exam** | | | | **Points** | |
| **Activity During Lectures** | | | **5** | | **Written Examination** | | | | **(Three Colloquiums) 60** | |
| **Practical Teaching** | | | **5** | | **Final (oral) Examination** | | | | **Max. 30** | |
| **Three (3) teaching Colloquia (projects)** | | | **60** | | **Overall Sum** | | | | **100** | |