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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 | Maintenance of transportation systems | | | | | | | |
| Level of Study | ☐Bachelor | | | ☒ Master’s | | | | ☐ Doctoral |
| Type of Course | ☐ Obligatory | | | ☒ Elective | | | | |
| Semester | ☒ Autumn | | | ☐ Spring | | | | |
| Year of Study | I | | | | | | | |
| Number of ECTS Allocated | 7 | | | | | | | |
| Name of Lecturer/Lecturers | Dušan S. Stamenković, Goran S. Petrović | | | | | | | |
| Teaching Mode | ☒ Lectures | | | ☐ Group tutorials | | | | ☒ Individual tutorials |
| ☒ Laboratory work | | | ☒ Project work | | | | ☐ Seminar |
| ☐ Distance learning | | | ☐ Blended learning | | | | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** | | | | | | | | |
| *Introduce students to the basic terms, concepts and procedures of mechanical systems maintenance. Students should to acquire the necessary theoretical and practical knowledge about the processes of monitoring and repair of mechanical assemblies.* | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | |
| 1) Basic concepts and terms in the maintenance, 2) Maintenance types, 3) Maintenance development, 4) Corrective and preventive maintenance, 5) Failures, 6) Wear and corrosion, 7) Technical diagnostic, 8) Condition monitoring, 9) Preventive periodic inspections and repairs, 10) Basic operations in the process of repair, 11) Rail vehicle maintenance, 12) Road vehicle maintenance | | | | | | | | |
| **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** | | | **Max. 60 (depending on Teaching Colloquia)** | | |
| **Practical Teaching** | | **10** | **Oral Examination** | | | **25** | | |
| **Teaching Colloquia** | | **60** | **Overall Sum** | | | **100** | | |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | | | |