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| **UNIVERSITY OF NIŠ** | | | | | | | | | |
| **Course Unit Descriptor** | | | **Faculty** | | | Faculty of Mechanical Engineering | | | |
| **GENERAL INFORMATION** | | | | | | | | | |
| Study Program | **Mechanical Engineering** | | | | | | | | |
| Study Module (if applicable) | - | | | | | | | | |
| Course Title | Selected topics in logistics and transportation system | | | | | | | | |
| Level of Study | ☐Bachelor | | | | ☐ Master’s | | | | ☒ Doctoral |
| Type of Course | ☐ Obligatory | | | | ☒ Elective | | | | |
| Semester | ☐ Autumn | | | | ☒ Spring | | | | |
| Year of Study | I | | | | | | | | |
| Number of ECTS Allocated | 10 | | | | | | | | |
| Name of Lecturer/Lecturers | Dragoslav B. Janosević, Miomir Lj. Jovanović, Zoran M. Marinković, Dragan Z. Marinković, 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)** | | | | | | | | | |
| *Analysis of the function, structure and development procedures, design, planning and maintenance of logistic and transport systems. Capability of conducting research, development, planning and maintenance of logistic and transport systems in all branches of industry and economy.* | | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | | |
| **Logistic systems - selected topics:** Micro and macro logistic systems in enterprises; Planning of logistic systems; Management of logistic systems;. Material flow in logistic systems;. Storage and distribution systems;. Management of supply chains; City logistic systems; Regional systems of waste logistics; Logistic system simulation.  **Transport systems - selected topics:** Analysis and synthesis of transport systems' drive mechanisms; Design of continuous transport systems; Design of discontinuous transport systems; Structural analysis of transport systems; Integral transport systems; City transport systems; Special transport systems; Simulation of transport systems; Maintenance of transport systems. | | | | | | | | | |
| 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 Mentoring** | | **5** | |  | | | |  | |
| **Practical Teaching (Consultation)** | | **5** | | **Final (oral) Presentation** | | | | **Max. 30** | |
| **Teaching Study (Research project)** | | **60** | | **Overall Sum** | | | | **100** | |
| **\* Final examination mark is formed in accordance with the Institutional documents** | | | | | | | | | |