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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) | - |
| Course Title | Management in logistics |
| Level of Study | ☒Bachelor | ☐ Master’s | ☐ Doctoral |
| Type of Course | ☐ Obligatory | ☒ Elective |
| Semester | ☒ Autumn | ☐ Spring |
| Year of Study | IV |
| Number of ECTS Allocated | 7 |
| Name of Lecturer/Lecturers | 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)** |
| *This course aims to introduce students to the basic functions, concepts and management procedures of* business and engineering logistics*. The course outline includes* the knowledge*to design functions, concepts and management procedures which are needed for analysis, planning and optimization of diverse and complex logistics systems.* |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** |
| 1) Definitions of logistic management - logistics flows, enterprise as a logistic system; 2) Functions, processes and structure of enterprises, input and output interfaces; 3) Business logistics management - management concepts, methods (portfolio matrix, SWOT and TOWS methods); 4) Strategic management in logistics - vision, mission statement and goals; 5) Marketing logistics - marketing definitions, concepts and strategies of marketing, ABC method; 6) Management of enterprise research and development - types of researches, management methods of the research and development, basics of Invention and Innovation, stages of the product life cycle; 7) Production logistic - lean manufacturing, "just in time" production , kanban system; 8) Decision making in enterprises - methods; 9) Quality management principles; 10) Logistics chains and networks. |
| **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** | **60 (depending on Teaching Colloquia)** |
| **Practical Teaching** | **5** | **Oral Examination** |  **30 (oral exam or project presentation)** |
| **Teaching Colloquia** | **60** | **Overall Sum** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |