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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 | Industrial Management |
| Level of Study | ☒ Bachelor | ☐ Master’s | ☐ Doctoral |
| Type of Course | ☐ Obligatory | ☒ Elective |
| Semester | ☒ Autumn | ☐ Spring |
| Year of Study | IV |
| Number of ECTS Allocated | 6  |
| Name of Lecturer/Lecturers | Peđa M. Milosavljević |
| Teaching Mode | ☒ Lectures | ☐ Group tutorials | ☐ Individual tutorials |
| ☒ Laboratory work | ☒ Project work | ☒ Seminar |
| ☐ Distance learning | ☐ Blended learning | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** |
| *The purpose of this course is to acquire the necessary knowledge and skills for efficient organization, managing, controlling, monitoring and improvement of processes in the industry. Outcome of course is the ability of mechanical engineer to participate in the processes of management and a willingness to apply gained knowledge in engineering activities and theoretical work.* |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** |
| 1) The evolution of production, organization and management. Supply Chain Management, 2) Business development and journey towards transformation, 3) Innovation of the business organization, 4) The transformation of the supply chain and performance improvement, 5) Quality management. Integrated Management Systems; ISO9001, ISO14001, OHSAS 18001, ISO 22000, 6) The value flow in the process, 7) Strategic management. Production planning and control, 8) Organizational behaviour, 9) Working motivation. Teamwork and Leadership, 10) Decision theory. Marketing and advertising. Business relations. Business models, 11) Management of changes, 12) Audit and control, 13) Basic business functions, 14) Maintenance of technical systems, 15) Quality tools. Quality tools in management.  |
| **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** | **10** | **Written Examination** | **0** |
| **Practical Teaching** | **10 + 10 = 20** | **Oral Examination** | **30**  |
| **Teaching Colloquia** | **40** | **Overall Sum** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |