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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) | Management of innovation and product development |
| Course Title | Innovation management |
| 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 | Miloš S. Milošević, Živojin M. Stamenković |
| 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 with systematic planning, managing and control of innovation in organisation. The course is targetingthe theoretical aspects of managing and control of innovation.* |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** |
| 1. General introduction to Innovation management, Process of innovation. Definition. 2) Identification of innovation needs, search, evaluation and idea selection. Radical and evolution innovation. Phases in innovation management. 3) Methods of idea finding – Analogy, Association, Brainstorming. Identification of innovation needs. 4) Product and process development, Idea management 5) Principle of construction design, 6) Application in the product development process, House of quality, QFD 7) Introduction into production (ramp-up), Lunching products, Open innovation.
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| **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** | **0** | **Oral Examination** | **30** |
| **Teaching Colloquia** | **60** | **Overall Sum** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |