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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 | Information System Design |
| 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 | Dragan Mišić |
| Teaching Mode | ☒ Lectures | ☐ Group tutorials | ☐ Individual tutorials |
| ☒ Laboratory work | ☒ Project work | ☒ Seminar |
| ☐ Distance learning | ☐ Blended learning | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** |
| *The goal of this course is to introduce students to the process of designing information systems, as well as to the tools used for that purpose. After successful completion of this course, students will be able to define requests for the information systems and to create a simple project on this topic. Students will learn the fundamental problems occurring during the implementation of information systems and the methods applied in order to overcome those problems.* |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** |
| 1) Introduction to information systems. 2) Planning information systems. 3) Recording requests for the information system. 4) Analysis of an existing information system. 5) Information system design. 6) Implementation of the information system. 7) Administration and maintenance of an information system. 8) Re-engineering of an information system. 9) Security of an information system. |
| **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** | **40** |
| **Practical Teaching** | **50** | **Oral Examination** |  |
| **Teaching Colloquia** |  | **Overall Sum** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |