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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Electronic Engineering |
| **GENERAL INFORMATION** |
| Study program  | **Computing and informatics** |
| Study Module (if applicable) | Information systems |
| Course title | Medical information systems |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | 1 |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Prof. Dr. Dragan Janković |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☒Laboratory work ☒ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *The course objectives are introducing students in specificities of medical information system development, deployment and project management. The students will get the knowledge about different types of medical software as well as related standards and legislature.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **1. Introduction to medical information systems 2. Data quality 3. Standards and legislature 4. Comparison of existing systems 5. Medical information system design specificities 6. Aspects of system implementation 7. System and data security 8. Overview on implementation technologies 9. System installation and deployment phase 10. System exploitation phase 11. System interoperability 12. Telemedicine 13. Decision support systems 14. Medical information system project 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** | **5** | **Written examination** |  |
| **Practical teaching** | **15** | **Oral examination** | **50** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |