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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Electronic Engineering | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Electrical Engineering and Computing | | |
| Study Module (if applicable) | | | | Computing and Informatics | | |
| Course title | | | | Information Systems | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | III | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Tošić B. Milorad | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| The acquisition of engineering skills and theoretical knowledge as well as the adoption of a systematic  approach for improvement of business systems and other systems by information technology  implementation. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Introduction (A brief overview of the Information Systems usage, Informatics, Information  Technologies, Computer Science). Basic Concepts of Information Systems (Information and  Communication Technologies as a technical foundation of information systems. Organizational  aspects of information systems. Technological aspects of information systems.) Analysis methods and  information systems design (feasibility analysis and proposal of a systemic solution. Modeling and  system analysis. System design. Implementation System .) Usage areas of information systems for the  solutions with available open source code. (DMS - Information Systems for documents management  and work, CMS - Information systems for content management, JMS - Java Messaging Service as an  example of the communication infrastructure of information systems, information systems at the level  of strategy, DSS - Information systems for decision support, information systems to support work with  a large number of users - Customer Management systems, Information systems for knowledge  management, Collaborative information systems.) | | | | | | |
| **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** | | |  |
| **Practical teaching** | **10** | | **Oral examination** | | | **40** |
| **Teaching colloquia** | **40** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |