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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 | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | III |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Tošić B. Milorad |
| Teaching mode |  [x] Lectures [x] Group tutorials [x]  Individual tutorials [x] Laboratory work [x]  Project work [x]  Seminar [x] Distance learning [x]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The acquisition of engineering skills and theoretical knowledge as well as the adoption of a systematicapproach for improvement of business systems and other systems by information technologyimplementation. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Introduction (A brief overview of the Information Systems usage, Informatics, InformationTechnologies, Computer Science). Basic Concepts of Information Systems (Information andCommunication Technologies as a technical foundation of information systems. Organizationalaspects of information systems. Technological aspects of information systems.) Analysis methods andinformation systems design (feasibility analysis and proposal of a systemic solution. Modeling andsystem analysis. System design. Implementation System .) Usage areas of information systems for thesolutions with available open source code. (DMS - Information Systems for documents managementand work, CMS - Information systems for content management, JMS - Java Messaging Service as anexample of the communication infrastructure of information systems, information systems at the levelof strategy, DSS - Information systems for decision support, information systems to support work witha large number of users - Customer Management systems, Information systems for knowledgemanagement, Collaborative information systems.) |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** |