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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Electronic Engineering |
| **GENERAL INFORMATION** |
| Study program  | **Electrical Engineering and Computing** |
| Study Module (if applicable) | Computing and Informatics |
| Course title | Human-Computer Interaction |
| Level of study | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | 3 |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Dejan D. Rančić, Aleksandar Lj. Milosavljević |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Introducing students to the basic principles, techniques, and devices used for human-computer interaction. Students will gain knowledge of basic principles, techniques, and devices used in human-computer interaction. They will also learn how to design, implement and evaluate high-quality user interfaces.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Basic concepts and historical overview of the field. The objectives of human-computer interaction and relationship with the applications of interactive computer systems. Psychological aspects. Mental models and interface design. Devices for human-computer interaction. Interaction paradigms. Analysis, design and evaluation of human-computer interfaces. Software life cycle and human-computer interaction. Standards and guidelines for the implementation of the user interfaces. Tools for user interface development. New paradigms for interaction: ubiquitous computing, virtual reality, augmented reality, multimodal interfaces, hypertext.** |
| **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** | **20** |
| **Practical teaching** | **10** | **Oral examination** | **20** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |