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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 | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | 3 | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Dejan D. Rančić, Aleksandar Lj. Milosavljević | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  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** | | | | | | |
| 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** | | | | | | |