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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) | Computer Systems Security |
| Course title | Digital Forensics |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | 1 |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Teufik I. Tokić, Dejan D. Rančić |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [x]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Introduction to the process of identification, preservation and analysis of digital evidence, as well as preparing them for presentation in a court of proper forensic procedure on the correct way. Students will obtain theoretical and practical knowledge of the process of identification, preservation and analysis of digital evidence, knowledge of software and hardware tools for digital forensics, knowledge of the legal components of digital forensics, knowledge of basic principles, policies and methodologies of digital forensics.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Identification, preservation and analysis of digital evidence. Basic principles, policies and methodologies of digital forensics. The legal component of digital forensics. Preparation and presentation of digital evidence in court in a proper procedure in forensic properly. Recover lost data. Password cracking and decryption of data. Forensics software. Forensics of operating system and file system. Forensics of digital devices. Network forensics. Forensics of mobile devices. Software and hardware tools for digital forensics (EnCase, Toolkit - FTK, VMware, ...).** |
| **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** | **50** | **Oral examination** | **40** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |