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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Electrical Engineering |
| **GENERAL INFORMATION** |
| Study program  | Telecommunications |
| Study Module (if applicable) | Radiocommunication engineering and technologies |
| Course title | Multimedia Communication Systems |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | 5 |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Marković V. Vera,, Maleš-Ilić P. Nataša |
| Teaching mode |  [ ] Lectures [x] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [x]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquisition of knowledge for analyses of production, processing and transmission of multimedia content in communication systems. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Multimedia - basic terms, data sources, transmission media. Formats of multimedia signals – speech audio, text, still image, video - digital processing, compression. Production, integration of multimedia content and synchronization. Compression standards for multimedia. Protection of multimedia content. Interactive multimedia services. Quality of services in multimedia. Wireless multimedia communication systems. Multimedia communication over IP networks. Convergence technologies. |
| **LANGUAGE OF INSTRUCTION** |
| [ ] Serbian (complete course) [x]  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** | **30** |
| **Practical teaching** | **30** | **Oral examination** | **30** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |