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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 | Satellite, Cable and Terrestrial Television |
| 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 | Pronić-Rančić R. Olivera, Maleš-Ilić P. Nataša |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquisition of knowledge in the field of TV signal distribution and architecture of satellite/cable/ terrestrial TV system. Understanding the technical details and functioning of receiving equipment in TV system. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Analog and digital TV systems and standards. Architecture of satellite, cable and terrestrial TV system. Production, transmission and distribution of TV signals. Additional services. Receiving equipment for satellite TV. DTH. SMATV. Cable distribution systems (CDS). Main station. MMDS. Conditional access. Infrastructure for interactive services. Receiving equipment for terrestrial television. IPTV. MHP. Mobile devices for TV reception. Auditory exercises. Practical work related to TV signal characterization and measurements on the cable distribution systems. |
| **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** |  | **Written examination** | **30** |
| **Practical teaching** | **40** | **Oral examination** | **30** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |