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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Electrical Engineering |
| **GENERAL INFORMATION** |
| Study program  | Electrical Engineering and Computing |
| Study Module (if applicable) | Telecommunications-Radiocommunication engineering and technologies |
| Course title | Laboratory Practicum RCET |
| Level of study | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | 4 |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Marković V. Vera, Pronić-Rančić R. Olivera, Dončov S. Nebojša, Maleš-Ilić P. Nataša |
| Teaching mode |  [ ] Lectures [ ] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Students' ability to independently use laboratory equipment and specialized software packages. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Characterization and measurement of passive and active RF and microwave devices and circuits in communications systems. Typical measurements in cable, fiber optic, satellite and broadcasting systems. Using software packages for simulation and modeling of components, devices and systems. Practical work with software tools for analyses of communication services and protocols at various levels of communication. Applications of software tools for characterization of RF and microwave radiation. |
| **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** |  |
| **Practical teaching** | **70** | **Oral examination** | **30** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |