|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | **Electronic Engineering** | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Electrical Engineering and Computing | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | Laboratory Practicum - Electronic Devices | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | I | | |
| Number of ECTS allocated | | | | 2 | | |
| Name of lecturer/lecturers | | | | Danković M. Danijel, Davidović S. Vojkan, Prijić P. Aneta | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Students acquire the necessary knowledge to use measuring instruments, perform measurement of electrical characteristics of electronic devices, analyze the measurement results and present them to others.  Students learn to use measuring instruments, practically measure electrical characteristics of electronic devices and analyze and present measurement results. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Practical measurement of the electrical characteristics of various diodes (silicon, Schottky, family of LEDs, including infrared diode). Practical measurement of the Zener diode characteristics and realization of simple circuits. Practical measurement of the bipolar transistors electrical characteristics. Practical measurement of the MOS transistors electrical characteristics. | | | | | | |
| **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** |  | | **Written examination** | | |  |
| **Practical teaching** | **70** | | **Oral examination** | | | **30** |
| **Teaching colloquia** |  | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |