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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Electronic Engineering | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Electrical Engineering and Computing | | |
| Study Module (if applicable) | | | | Electrical Power Engineering | | |
| Course title | | | | Power System Protection | | |
| Level of study | | | | ×Bachelor ☐ Master’s ☐ Doctoral | | |
| Type of course | | | | ☐ Obligatory × Elective | | |
| Semester | | | | × Autumn ☐Spring | | |
| Year of study | | | | IV | | |
| Number of ECTS allocated | | | | 6 | | |
| Name of lecturer/lecturers | | | | Aleksandar Janjić, Lidija Korunović | | |
| Teaching mode | | | | ×Lectures ×Group tutorials ☐ Individual tutorials  ×Laboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| ntroducing students to the relays and the protection principles of lines, synchronous generators, power transformers, buses, motor and capacitor. Students are trained to work on power system protection elements and the system as a whole. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Students gain the ability to work with protective relays and their application in power system. Protective relays of first, second and third generation. Protection of cables, generators, transformers, buses, motor and capacitor. Backup protection. Standard notation for the protection functions. eaching and computational examples are performed by lecturing, on a board. Students are doing their works independently, with the assistant supervision. Consulations. Laboratory excercises. | | | | | | |
| **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** | **5** | | **Written examination** | | | **20** |
| **Practical teaching** | **16** | | **Oral examination** | | | **20** |
| **Teaching colloquia** | **40** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |