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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | Electrical Power Engineering |
| Study Module (if applicable) |   |
| Course title | Electricity Market and Deregulation |
| Level of study | ☐Bachelor × Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory × Elective |
| Semester  |  × Autumn ☐Spring |
| Year of study  | I |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Dragan Tasić, Aleksandar Janjić |
| Teaching mode |  ×Lectures ×Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work × Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introduction to the basic knowledge about the principles of regulated and deregulated electricitymarket and basic market models. Upon completion of this course, students will know a modern organization and functioning of thederegulated electric power industry in the world, as well as the organization and operation of electricpower in Serbia. There will also be trained in making power balancer, work on power exchange,working in the control center, the work of the independent system operator, the regulatory agency, thdevelopment of optimal solutions for a variety of markets and time periods, etc..the criteria function |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| he basic structure and regulation of the electric power industry, the causes and motives ofderegulation, the principles of electric power industry restructuring and deregulation. Deregulation andrestructuring of the electric power industry, technical and economic conditions and participants. Theexperience of deregulation in the world, the EU regulations on the electricity market. Regulation andderegulation in the state of Serbia. The organization and functioning of the electricity market. Bilateralmarket, central, and mixed market balance. Principles of regulation of monopoly networks andoperating costs. Electricity transit. Transmission network congestion. The main regulatory models |
| **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** | **40** | **Oral examination** | **20** |
| **Teaching colloquia** | **15** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |