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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | Physics |
| Study Module (if applicable) | Applied Physics |
| Course title | Basics of Energetics |
| Level of study | ☐Bachelor  **x Master’s** ☐ Doctoral |
| Type of course | **x** **Obligatory**  ☐ Elective |
| Semester  |  **x Autumn**  ☐Spring |
| Year of study  | **First** |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Pavlovic M. Tomislav, Lana S. Pantic Randjelovic (teaching assistant) |
| Teaching mode |  X Lectures ☐Group tutorials ☐ Individual tutorials X Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *To familiarize students with the contents of the energy and methods of different types of energy generation.* *Students will comprehend the significance of the generation and application of different forms of energy and will establish correct attitude towards the environment protection.**Classical courses of energy (wood, coal, gas). Hydroenergy. Nuclear energy. Renewable sources of energy. Solar energy. Wind energy.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| *Classical courses of energy (wood, coal, gas). Hydroenergy. Nuclear energy. Renewable sources of energy. Solar energy. Wind energy.* |
| **LANGUAGE OF INSTRUCTION** |
| **X 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** | **10** | **Written examination** | **20** |
| **Practical teaching** | **10** | **Oral examination** | **20** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |