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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** | | | | | | |