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| **UNIVERSITY OF NIŠ** | | | | | | | | |
| **Course Unit Descriptor** | | | **Faculty** | | Faculty of Mechanical Engineering | | | |
| **GENERAL INFORMATION** | | | | | | | | |
| Study Program | **Mechanical Engineering** | | | | | | | |
| Study Module (if applicable) | - | | | | | | | |
| Course Title | [Renewable Energy Sources](D.2.3-I.3.24%20Renewable%20energy%20sources.doc) | | | | | | | |
| Level of Study | ☐Bachelor | | | ☐ Master’s | | | | ☒ Doctoral |
| Type of Course | ☐ Obligatory | | | ☒ Elective | | | | |
| Semester | ☒ Autumn | | | ☐ Spring | | | | |
| Year of Study | I | | | | | | | |
| Number of ECTS Allocated | 10 | | | | | | | |
| Name of Lecturer/Lecturers | Branislav V. Stojanović, Stevanović M. Žarko, Stefanović P. Velimir, Jelena N. Janevski, Dragica R. Milenković | | | | | | | |
| Teaching Mode | ☐ Lectures | | | ☐ Group tutorials | | | | ☒ Individual tutorials |
| ☐ Laboratory work | | | ☒ Project work | | | | ☒ Seminar |
| ☐ Distance learning | | | ☐ Blended learning | | | | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** | | | | | | | | |
| *Transfer the contents of the respective students about renewable energy. To enable students to independently apply scientific methods in treating the problem of renewable energy sources. To raise awareness about the necessity and importance of renewable energy and environmental protection.* | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | |
| 1) The processes of production of electricity and heat from renewable energy sources, 2) Production of renewable energy, 3) Renewable Energy and the Environment, 4) Social and economic indicators of the use of renewable energy sources 5) Solar collector | | | | | | | | |
| **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** | | |  | | |
| **Practical Teaching** | | **0** | **Oral Examination** | | | **50 (depending on Teaching Colloquia)** | | |
| **Teaching Colloquia** | | **45** | **Overall Sum** | | | **100** | | |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | | | |