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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Pedagogical Faculty in Vranje |
| **GENERAL INFORMATION** |
| Study program  | Technical Education and Informatics |
| Study Module (if applicable) | / |
| Course title | Utility Systems Management |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory☐ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | Fourth |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Mile Ilić |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquire knowledge of structure and functioning of major utility and infrastructure systems. Studying the ways of planning, development and maintenanceof complex systems such as water supply, sewerage, waste. Thestudy of modern technologies to increase efficiency in the work of the utility systems. Analyzing and evaluating sustainable solutions for utility systems. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Classification and basic characteristics of public utilities.Integration of public utilities activities in the municipal and local governmentsystem.Management of utility systems - transport, public drinking water, public heating, public lighting, green areas.The impact of the utility systems on environment.Management in public utilities systems.Project management and development of urban infrastructure. |
| **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** | **30** |
| **Practical teaching** | **5** | **Oral examination** | **20** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |