|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Occupational Safety in Niš  |
| **GENERAL INFORMATION** |
| Study program  | Environmental Engineering |
| Study Module (if applicable) | / |
| Course title | Selected Chapters from Urban Ecology |
| Level of study | ☐ Bachelor ☐ Master’s ☒ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | Second year |
| Number of ECTS allocated | 10 |
| Name of lecturer/lecturers | Jasmina Radosavljević |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Acquiring modern scientific knowledge regarding the environmental issues in urban areas, creating potential changes and proposing environmental protection measures from the aspect of ecological optimization.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The analysis of the state of natural conditions important for the city development. City, urban functions and functional zoning in cities. Housing and sustainable development in urban areas. Industry and industrial impact on the environment in urban areas. Energy and energy processes in degradation of urban environments. Development of traffic and its impact on the environment in urban areas. The use of alternative energy sources with the purpose of environmental protection in urban areas. Bioclimatic planning and solar architecture, ecological importance of the use of active and passive solar systems. The use of modern methods in municipal solid waste treatment in urban areas. |
| **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** |  | **Written examination** |  |
| **Practical teaching****seminary work** | **2 x 50 = 100** | **Oral examination** | **-** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |