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|  **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 | **Urban Ecology** |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | **I** |
| Number of ECTS allocated | **5** |
| 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 knowledge about urban environments by predicting possible changes and proposing measures to optimize the ecologic aspect of urban life.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Natural conditions significant for urban development: climate elements and factors. City and urban functions. Functional urban zoning. Residence and sustainable development in urban areas. Bioclimatic planning and solar architecture. Industry and its effect on urban environments. Recreational urban zones. Urban green space and its ecological significance in urban areas. Urban traffic and the ecological problems it causes. Communal problems of cities. Residential water supply – urban water supply systems.Drainage systems for urban wastewater – urban sewerage systems. Urban hygiene issues; landfills and municipal waste disposal. Facilities, work, and measures for city flood protection. Work and measures on embankments after high water inflows. |
| **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** | **10** | **Written examination** | **40** |
| **Practical teaching****seminary work** | **20** | **Oral examination** | **-** |
| **Teaching colloquia** | **2 x 15 = 30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |