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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 | Living Environment and Health |
| 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 | Jovica Jovanovic |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☒ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Students will acquire knowledge about the significance of the impact of environmental factors on human health and quality of life and assessment of their importance in the overall burden of disease and excessive mortality, and will be will be qualified to perform the assessment of environmental risk factors (chemical, biological and physical agents that pollute the water, air, soil and food) on the health of the population; to determine those factors  that pose the greatest risk; to determine entry routes, transport and deposition in the target organs and systems, as well as the mechanisms in the body. Prediction and implementation of preventive measures that will prevent or reduce the occurrence of diseases, improve the quality of life and reduce excessive mortality.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Environmental risk factors (chemical, biological and physical agents that pollute the water, air, soil, or food). Determining the mechanisms of health impact of environmental factors. Assessment of exposure and health outcomes in relation to the amount of exposure. Health outcomes (disease development, hospitalizations and mortality) in exposure to certain agents. The use of biomonitoring in health risk assessment. Descriptive epidemiological methods in studying health disorders induced by environmental hazards, descriptive epidemiological studies (cohort studies, clinical history studies, environmental studies). Assessment of burden of disease and excessive mortality. Preventive measures. Methods for evaluating the interaction between the risks from the living and working environment to health and work ability. Descriptive epidemiological methods in the study of health disorders resulting from the hazards in the working and living environment, descriptive epidemiological studies (cohort studies, clinical history studies, environmental studies). Assessment of burden of disease and excessive mortality. |
| **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** | **60 (term paper 20, project 40)** | **Oral examination** | **40** |
| **Teaching colloquia** | **-** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |