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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 | Environmental Monitoring |
| 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 | Nenad Živković, Amelija Đorđević |
| 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 methods of monitoring and controlling environmental quality.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Monitoring, general terms. Role of monitoring. Goals of monitoring. Provision of quality control. Role and functions of quality provision and quality control. Classification of monitoring. Global environmental monitoring system. National monitoring. Structure of monitoring. Norming of environmental quality, fundamental terms, definitions, and structure of the norming system. Norming of pollution effect sources. Planning and functioning of a monitoring system. Planning a monitoring network. Necessary resources and limitations. Network projection. Network configuration. Remote data transfer system. Structural reliability of the network. Data processing in monitoring networks. Organizational structure of the network. Measuring stations and monitoring network systems. Automated monitoring systems.** |
| **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** | **0** |
| **Practical teaching** | **20** | **Oral examination** | **40** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |