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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Science and Mathematics |
| **GENERAL INFORMATION** |
| Study program  | **Chemistry** |
| Study Module (if applicable) | / |
| Course title | Monitoring of pollutants |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | 1st |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Darko Andjelkovic |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| To provide knowledge with the elements of environmental monitoring, water quality, air and soil quality in accordance with legislative, good laboratory practice and quality control. Introduction with the sampling design and sample preparation.  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Sampling in environmental monitoring (characteristics of the environment, sampling location, sample types, sdampling strategy, quality control, measurement units, report data). Statistics and geostatistics in environmental monitoring. Automatic aquizition of data. Soil sampling. Groundwater sampling (location for monitoring wells). Surfacewater monitoring (water quality parameters, equipment for water sampling). Air monitoring ( emision standards, air quality, direct measurement of quality, air sampling).  |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** |
| **Seminar** | **20** | **Written examination** | **/** |
| **Project** | **30** | **Oral examination** | **50** |
|  |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |