|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of natural science and mathematics |
| **GENERAL INFORMATION** |
| Study program  | **MAS** |
| Study Module (if applicable) | Environmental chemistry |
| Course title | Environmental analytical chemistry |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | second |
| Number of ECTS allocated | 6 |
| Name of lectureinr/lecturers | 1. Sources of pollution
2. Indicators of pollution degree
3. Mechanisms of harmful effects
4. Sampling methods
5. Organoleptic analysis, colour and turbidity of water samples
6. Organoleptic analysis, smell, taste and hardness of water samples
7. 1.test term
8. Inorganic analysis, firm samples preparation
9. Inorganic analysis, liquid and gas samples preparation
10. Organic analysis, firm, liquid and gas samples preparation
11. Organic analysis, analytical methods
12. Environmental samples analysis, dirt and herbs
13. Environmental samples analysis, water and air
14. 2.test term
15. Additional test term
 |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)****Introduction with main problems of environmental pollution and main analytical techniques of environmental samples investigation.**  |
|  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)****Sources and indicators and different mechanisms of environmental pollution are discussed, as well as sampling methods of dirt, herbs, water and air. Also, the analytical methods and techniques of inorganic and organic analysis are summarized.**  |
|  |
| **LANGUAGE OF INSTRUCTION** |
| [ ] Serbian (complete course) [x]  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** | **25** |
| **Practical teaching** | **20** | **Oral examination** | **25** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |