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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 | Analytical Chemistry 3 | | | | | | | |
| Level of Study | ☒Bachelor | | | ☐ Master’s | | | | ☐ Doctoral |
| Type of Course | ☒ Obligatory | | | ☐ Elective | | | | |
| Semester | ☐ Autumn | | | ☒ ☐ Spring | | | | |
| Year of Study | 2 | | | | | | | |
| Number of ECTS Allocated | 5 | | | | | | | |
| Name of Lecturer/Lecturers | Vesna Stankov Jovanović | | | | | | | |
| Teaching Mode | ☒ Lectures | | | ☐ Group tutorials | | | | ☐ Individual tutorials |
| ☒ Laboratory work | | | ☐ Project work | | | | ☐ Seminar |
| ☐ Distance learning | | | ☐ Blended learning | | | | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** | | | | | | | | |
| Getting basic theoretical knowledge in the field of quantitative volumetric chemical analysis, opportunities of their application, practical performance of selected methods, the calculation and presentation of the analysis results. | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | |
| Introduction to the volumetery. Standard solutions. Titration curves. Acid-base titrations. Indicators. Practical determination of the acid-base. Titration curves of the precipitation titrations. Determination of equivalent point. Application of the precipitation methods. Redox reactions. Titration curves of redox processes. Practical redox determination. Complexometry. Titration curves in complexometry. Titration techniques in complexometry. Practical complexometric determinations. | | | | | | | | |
| **Language of Instruction** | | | | | | | | |
| ☒Serbian (complete course) | | ☒ English (complete course) | | | | | ☒ Other russian (complete course) | |
| ☐Serbian with English mentoring | | ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
| **Assessment Methods and Criteria** | | | | | | | | |
| **Pre exam Duties** | | **Points** | **Final Exam** | | | **Points** | | |
| **Activity During Lectures** | | **5** | **Written Examination** | | | **20** | | |
| **Practical Teaching** | | **25** | **Oral Examination** | | | **20** | | |
| **Teaching Colloquia** | | **30** | **Overall Sum** | | | **100** | | |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | | | |