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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Sciences and Mathematics  Department of Chemistry | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Chemistry** | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | The isolation of secondary metabolites | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | second | | |
| Number of ECTS allocated | | | | 8 | | |
| Name of lecturer/lecturers | | | | Gordana Stojanović | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| The possibility of using secondary metabolites in systematics of plants based on statistical analysis. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| History of biochemical systematics. Application of secondary metabolites in systematics. Variability of secondary metabolites. Distribution, biosynthesis and taxonomic significance of alkanes, fatty acid, polyacetylenes, terpenes, aliphatic and aromatic volatile compounds, sulfur compounds, alkaloids, cijanogenih glycoside and flavonoids | | | | | | |
| **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** | **6** | | **Written examination** | | | **40** |
| **Practical teaching** | **10** | | **Oral examination** | | | **/** |
| **Teaching colloquia** | **44** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |