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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and MathematicsDepartment of Chemistry |
| **GENERAL INFORMATION** |
| Study program  | **Chemistry**  |
| Study Module (if applicable) | / |
| Course title | The isolation of secondary metabolites |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | second |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Gordana Stojanović |
| Teaching mode |  [x] 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** |
| [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** |
| **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** |