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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  | first |
| 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)** |
| Acquiring knowledge about screening plant material to the appropriate group of secondary metabolites, choice of methods for isolating target group of secondary metabolites. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Introduction to the nature and importance of secondary metabolites. Criteria for the selection of sources of secondary metabolites. The aim of isolating. Determination of the polarity, acidity, thermal stability and localization of biological activity. The initial extraction and concentration of the sample. Choosing a method of separation and separation. Crystallization and other finishing purification methods. Obtaining large quantities of natural products. |
| **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** |