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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | **Faculty of Medicine** | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Integrated Academic Studies of Pharmacy | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | Isolation and Synthesis of Secondary Metabolites | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | III | | |
| Number of ECTS allocated | | | | 2 | | |
| Name of lecturer/lecturers | | | | Assoc. Prof. Dr. Andrija Šmelcerović | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| *Upon successful passing of the exam, students should have gained good knowledge of the basic principles of isolation and synthesis of secondary metabolites.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| **Extraction of secondary metabolites from plants.**  **Production of secondary metabolites by fermentation of microorganisms.**  **Isolation of secondary metabolites.**  **Synthesis of secondary metabolites.**  **Enzymatic and chemical modification of secondary metabolites.** | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| Serbian (complete course)  English (complete course)  Other German (complete course)  Serbian with English mentoring Serbian with other mentoring German | | | | | | |
| **ASSESSMENT METHODS AND CRITERIA** | | | | | | |
| **Pre exam duties** | **Points** | | **Final exam** | | | **points** |
| **Activity during lectures** | **5** | | **Written examination** | | | **60** |
| **Practical teaching** | **0** | | **Oral examination** | | | **Elective** |
| **Teaching colloquia** | **35 (Seminar)** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |