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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 | | | | Analysis of Phenolic Compounds in Natural Products | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | IV | | |
| Number of ECTS allocated | | | | 3 | | |
| Name of lecturer/lecturers | | | | Assist. Prof. Dr. Jelena Živković | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| *Upon completion of the exam, students are expected to:*  *- present valid analysis of the relationships between the structure, properties, action and selectivity of pharmacologically active substances isolated from herbal natural products;*  *- use the acquired knowledge of organic compounds of therapeutic relevance;*  *- present valid analysis of basic mechanisms of action and relationships between the chemical structure and biological activity of pharmacologically active substances;*  *- use analytical methods in qualitative and quantitative determination of content of different substances in prepared material.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| **Basic knowledge about phenolic compounds from the point of view of organic chemistry, biochemistry, secondary metabolism, chemistry and biochemistry of phenolic compounds, and their role in natural environment.**  **Basic knowledge about isolation, purification and synthesis of different phenolic compounds, with significant biological activity.**  **Updated knowledge about medical research of phenolic compounds.**  **Understanding of the basic principles of action, as well as the relationships between chemical structure and biological activity of biologically active phenolic compounds.** | | | | | | |
| **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** | **5** | | **Written examination** | | | **47.5** |
| **Practical teaching** | **0** | | **Oral examination** | | | **Elective** |
| **Teaching colloquia** | **47.5** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |