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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | FACULTY OF TECHNOLOGY LESKOVAC |
| **GENERAL INFORMATION** |
| Study program  | TECHNOLOGICAL ENGINEERING |
| Study Module (if applicable) | - |
| Course title | ADVANCES IN PHARMACEUTICAL AND COSMETIC TECHNOLOGY |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [x] Spring |
| Year of study  | I |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Dr Ivana Savić GajićDr Nebojša Cekić |
| 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 the necessary knowledge in the field of technology of pharmaceutical and cosmetic products in the industrial environment, from formulation of products to their placing on the market. Students are introduced to content and application of national and international legislations in the field of pharmaceutical and cosmetic products. Students will understand the process of obtaining pharmaceutical and cosmetic products and will be able to independently solve practical and theoretical problems related to the development and optimization of technological processes of making pharmaceutical and cosmetic products. Also, students will be able to independently organize and to develop the awareness for scientific research. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The legislation for cosmetic products, as well as for the production and placing of drugs on the market. Good manufacturing practice in the industry. Development of a new drug - Preformulation and formulation aspects. Theoretical aspects of liquid, semi-solid and solid pharmaceutical forms. Formulation, preparation and characterization of pharmaceutical forms for application on the skin. Preparations with modified release of medicinal substances. Theoretical aspects of cosmetic emulsions and gels. Formulation, preparation and characterization of cosmetic products. Cosmetic products for hair. Functional and multifunctional cosmetics. |
| **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** | **20** | **Written examination** |  |
| **Practical teaching** |  | **Oral examination** | **20** |
| **Teaching colloquia/seminar** | **60** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |