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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | **integrATED ACADEMIC STUDIES OF PHARMACY** |
| Study Module (if applicable) |  |
| Course title | **PHARMACEUTICAL IMMUNOLOGY** |
| Level of study | ☑Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☑ Obligatory ☐ Elective |
| Semester  |  ☐ Autumn ☑Spring |
| Year of study  | II |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Marjanović Goran MD, PhD, associate professor, Đžopalić Tanja, MD, PhD assistant professorKostić Miloš, MD, PhD, assistant professorDimov Irena, teaching assistant |
| Teaching mode |  ☑Lectures ☐Group tutorials ☐ Individual tutorials ☑Laboratory work ☐ Project work ☑Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The aim of the course is the acquisition of knowledge of the basic terms in immunology which includes the organs and cells participating in immune response, introduction to the basic principles of specific and nonspecific immune response, exploration of mutual dependence of humoral and cellular immunity, as well as the mutual dependence of certain subpopulations of T and B lymphocytes. The course also provides an opportunity to acquire knowledge on the basic disorders of the function of immune system and major techniques for examining the function of human immune system |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The knowledge obtained during the course in pharmaceutical immunology enables the students to understand the mechanisam of action of many drugs with immunological background. The course puts the strong basics for understanding the creation and production of monoclonal antibodies as well as their application in pharmaceutical industry. At the end of the course, participants should be able to understand the basic principles of research of the immune system, the means and methods to explore and understand the basics of immunodeficiency diseases, tumour immunology, hypersensitivity and autoimmune diseases. |
| **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** | **0-5** | **Written examination** | **0-30** |
| **Practical teaching** | **0-15** | **Oral examination** | **0-40** |
| **Teaching colloquia** | **0-10** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |