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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of Medicine |
| **GENERAL INFORMATION** |
| Study program  | **Pharmacy** |
| Study Module (if applicable) |  |
| Course title | Histology |
| Level of study | ☐Bachelor x Master’s ☐ Doctoral |
| Type of course | x Obligatory☐ Elective |
| Semester  | ☐ Autumn xSpring |
| Year of study  | I (first) year of study |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Prof. dr Verica AvramovićProf. dr Ivan NikolićProf. dr Gorana RančićProf. dr Marijola Mojsilović Prof dr Goran RadenkovićDoc. dr Aleksandar PetrovićDoc. dr Vladimir PetrovićAsist. Aleksandra VeličkovAsist. Marko Jović |
| Teaching mode | xLectures ☐Group tutorials ☐ Individual tutorialsxLaboratory work ☐ Project work x Seminar☐Distance learning ☐ Blended learning x Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Students should learn the techniques of microscopy and acquire knowledge of the fundamental characteristics of normal structure of cells, tissues and organs, with special emphasis on the knowledge of cell types that serve as the targets for particular pharmacological substances (muscle cells, nerve cells, borderline cells), cellular metabolic products used as active pharmacological substances (hormons, neurotransmitters) and cells which absorb, secrete or degrade medicines (enterocytes, nephrocytes, hepatocytes). |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| *Theoretical teaching*Organization and basic functions of the cell (membrane system and membrane compartments of the cell; cytoskeleton, specializations of cell surfaces, cell communication with the environment, populations of cells). Tissues (basic tissues – epithelial, connective, muscle, and nervous tissue). Histological organization of organs within the organ systems (cardiovascular, immune, endocrine, respiratory, digestive, hepatobiliar, male and female reproductive system, urinary, and nervous; skin and sense organs). General embryology.*Practical teaching* Basic principles of tissue sampling, processing and making histological slides. Microscopy and analysis of the structure of tissues and organs. |
| **LANGUAGE OF INSTRUCTION** |
| xSerbian (complete course) x 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** | **15** | **Written examination** |  |
| **Practical teaching** | **35** | **Oral examination** | **50** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |