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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 | | | | Biopharmacy | | |
| Level of study | | | | ☐Bachelor ☐x Master’s ☐ Doctoral | | |
| Type of course | | | | x☐ Obligatory☐ Elective | | |
| Semester | | | | x☐ Autumn ☐Spring | | |
| Year of study | | | | V | | |
| Number of ECTS allocated | | | | 2 | | |
| Name of lecturer/lecturers | | | | Doc.dr Marija Tasić-Kostov, ass. Milica Stanković | | |
| Teaching mode | | | | ☐xLectures ☐Group tutorials ☐ Individual tutorials  x☐Laboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Introducing students to the principles related to the influence of biopharmaceutical (physiological, drug’s physicochemical, and formulation) factors on drug release from various dosage forms, and concomitant absorption process; consequently, a student is able to advise patients, and provide relevant information to other healthcare professionals*.* A student understands a basic theoretical principles and use of BCS as a classificationsystems that aim to improve, simplify, and speed drug development. A student knows the principles and possibilities of use of dissolution test for various dosage forms as well as basic principles for establishing and applying the concept of in vitro-in vivo correlations, | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Biopharmacy - general terms and definitions; the characteristics of different routes of drug administration- enteral and parenteral (in a broader sense). Influence of physiological factors on drug absorption, depending on the route of administration. Influence of physicochemical factors on drug release from dosage form, and concomitant absorption process. Influence of formulation factors on drug release and absorption - general principles and specialities related to dosage forms for parenteral, ophthalmic, inhalation, rectal, and vaginal application. Biopharmaceutic classification of drugs. | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| ☐xSerbian (complete course) ☐ English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)  ☐xSerbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
| **ASSESSMENT METHODS AND CRITERIA** | | | | | | |
| **Pre exam duties** | **Points** | | **Final exam** | | | **points** |
| **Activity during lectures** | **10** | | **Written examination** | | | **60** |
| **Practical teaching** | **20** | | **Oral examination** | | | **10** |
| **Teaching colloquia** |  | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |