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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 | | | | Pharmaceutical Technology 1 | | |
| Level of study | | | | ☐Bachelor ☐x Master’s ☐ Doctoral | | |
| Type of course | | | | x☐ Obligatory☐ Elective | | |
| Semester | | | | ☐ Autumn ☐xSpring | | |
| Year of study | | | | III | | |
| Number of ECTS allocated | | | | 10 | | |
| 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 with basic principles of formulation, technologic procedures of manufacturing of various dosage forms, such as powders for oral and external use; granules; solutions, suspensions and emulsions for oral and external use; ear and nasal preparations; oromucosal preparations; ointments, gels, creams, pastes, medicated plasters and homeopatic preparations. To teach students how to prepare pharmacopoeial preparations, and to introduce them with principles of preparing and compounding medicines as well as with pharmaceutical technological testing of those preparations. To teach students how to use professional literature and report about the characteristics of the above pharmaceutical forms. To introduct students with Good Pharmacy Practice. To teach the students how to suggest independently, based on acquired knowledge, the appropriate pharmaceutical form, its composition (including the pharmaceutical excipients), and production procedure of medicinal preparations in a pharmacy and/or galenic lab. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Lectures  Definition, meaning and general terms in Pharmaceutical Technology. The role, properties and quality requirements for different pharmaceutical excipients. Types, properties, preparation and pharmaceutical technological testing of various dosage forms and homeopatic preparations. Reological behaviour of pharmaceutical preparations. Extraction, methods of extraction, extracts and tinctures.  Practical classes  Organisation of activities in pharmacy and Significance of Good Pharmacy Practice. Pharmacopoeias, handbooks and drug codexes. Introduction to regulations on preparation, storage and dispensing of drugs. Recipe and its parts, dosage regimen and check of dosage regimen. Types, properties, preparation and pharmaceutical technological tests of various dosage forms and homeopatic preparations. | | | | | | |
| **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** | **5** | | **Written examination** | | | **50** |
| **Practical teaching** | **40** | | **Oral examination** | | | **5** |
| **Teaching colloquia** |  | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |