|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | **Faculty of Medicine** |
| **GENERAL INFORMATION** |
| Study program  | Integrated Academic Studies of Pharmacy |
| Study Module (if applicable) |  |
| Course title | Basics of Pharmaceutical Chemistry and Pharmaceutical Chemistry of Inorganic Compounds  |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | II |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Assoc. Prof. Dr. Andrija Šmelcerović, Assist. Prof. Dr. Jelena Živković |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Upon completion of the course, students should be able to:**- understand basic mechanisms of action of drugs;**- analyze the relationship of structure with physical-chemical properties of medicinal substances;**- use the acquired theoretical and practical knowledge about medicinal inorganic compounds.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Introduction to pharmaceutical chemistry.****Physical-chemical properties of drugs related to their biological action.** **Isosteres.****Metabolism of drugs.** **Target places of drugs.****Agonists, antagonists, and partial agonists.****Prodrugs.****Basic principles of quantitative relationship of structure and activity of pharmacologically active compounds.** **Inorganic medicinal compounds.** **Practical knowledge and skills related to identification and synthesis of inorganic medicinal compounds.** |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [x]  English (complete course) [ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)[x] Serbian with English mentoring [ ] Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **10** | **Written examination** | **70** |
| **Practical teaching** | **20** | **Oral examination** | **Elective** |
| **Teaching colloquia** | **0** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |