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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | **Faculty of Medicine**  **University of Niš** | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **INTEGRATED ACADEMIC STUDIES OF PHARMACY** | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | **CHEMISTRY OF HETEROCYCLIC COMPOUNDS** | | |
| Level of study | | | | ☐Bachelor Master’s ☐ Doctoral | | |
| Type of course | | | | ☐ Obligatory x Elective | | |
| Semester | | | | x Autumn ☐Spring | | |
| Year of study | | | | **III** | | |
| Number of ECTS allocated | | | | **2** | | |
| Name of lecturer/lecturers | | | | **Associate Professor Mirjana Abramović**  **Asstant prof Jelena Lazarević** | | |
| Teaching mode | | | | xLectures ☐Group tutorials ☐ Individual tutorials  ☐Laboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Acquisition of additional knowledge in the field of chemistry of heterocyclic compounds necessary for better understanding of their application in medicine and pharmacy. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Pyrrole, indole, pynam, imidazole- structure, physical and spectroscopic features, reactions, synthesis. Pharmaceutically important derivatives. Pyridine, quinoline, pyrimidine: structure, physical and spectroscopic features, reactions, synthesis. Natural products, medicines, biologically active compounds. Seven-membered heterocycles (oxepins, azepines, tiepines, diazepins) and heterocycles with large rings (heteronines and tetrapyroles). Understanding of the structure-reactivity relationship of heterocyclic compounds important for medicine and pharmacy. | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| xSerbian (complete course) ☐xEnglish (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** |  | | **Written examination** | | | **Up to 50** |
| **Practical teaching** |  | | **Oral examination** | | |  |
| **Teaching colloquia** | **Up to 50** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |