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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 | | | | **ORGANIC CHEMISTRY 2** | | |
| Level of study | | | | ☐Bachelor ☐ Master’s ☐ Doctoral | | |
| Type of course | | | | xObligatory ☐ Elective | | |
| Semester | | | | xAutumn☐Spring | | |
| Year of study | | | | **II** | | |
| Number of ECTS allocated | | | | **8** | | |
| Name of lecturer/lecturers | | | | Full Professor Nataša Trutić  Associate Professor Mirjana Abramović  Assistant Professor Jelena Lazarević | | |
| Teaching mode | | | | xLectures ☐Group tutorials ☐ Individual tutorials  xLaboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| * Acquisition of knowledge about stereochemical properties of molecules as well as understanding stereochemical characteristics of organic molecules. * Acquisition of knowledge about the structure and properties of heterocyclic compounds. * Acquisition of basic knowledge about biomolecules: carbohydrates, lipids and peptides. * Understanding and identifying stereochemical properties of organic molecules * Understanding structural characteristics, reactivity and properties of heterocyclic compounds and biomolecules. * Ability to apply the acquired knowledge of organic chemistry in order to efficiently learn Pharmacognosy, Pharmceutical chemistry, Biochemistry and other related subjects. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Heterocyclic compounds, five-member heterocyclic systems containing one heteroatom, derivatives and condensed polycyclic derivatives and six-member heterocyclic systems containing one heteroatom, derivatives and condensed polycyclic derivatives. Stereochemistry; Crbohydrates: Monosaccharides. Disaccharides. Polysaccharides. Proteins. Aminoacids. Peptides. Lipids. | | | | | | |
| **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** | **10** | | **Written examination** | | | Up to 75 points |
| **Practical teaching** | **15** | | **Oral examination** | | |  |
| **Teaching colloquia** |  | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |