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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 TrutićAssociate Professor Mirjana AbramovićAssistant 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.
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| **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** |