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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 MEDICINE** |
| Study Module (if applicable) |  |
| Course title | **CHEMISTRY IN MEDICINE 2**  |
| Level of study | ☐Bachelor ☐Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory x Elective |
| Semester  |  ☐xAutumn Spring |
| Year of study  | **I** |
| Number of ECTS allocated | **4** |
| Name of lecturer/lecturers | **Full Professor Nataša Trutić** |
| 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 in the areas of chemistry necessary for understanding of biochemistry and other medical sciences. Most of the teaching is oriented towards organic chemistry and chemistry of biomolecules, since these areas are of utmost importance for understanding of the processes that characterise human life. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Brief overview of the most important compound classes associated with the chemistry of biomolecules. **Amines. Carboxylic acid and carboxylic acid derivatives. Heterocyclic compounds and their derivatives. Carbohydrates: monosaccharides, disaccharides, polysaccharides. Lipids: fats, cerides, phospho and sphingolipides, steroides. Amino acids. Peptides. Proteins.** |
| **LANGUAGE OF INSTRUCTION** |
| xSerbian (complete course) ☐ English (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** | **Up to 10 points** | **Written examination** | **Up to 60 points** |
| **Practical teaching** | **Up to 30 points** | **Oral examination** |  |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |