|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and Mathematics |
| **GENERAL INFORMATION** |
| Study program  | **Chemistry** |
| Study Module (if applicable) | - |
| Course title | Experimental organic chemistry |
| Level of study | X Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | X Obligatory ☐ Elective |
| Semester  |  ☐ Autumn X Spring |
| Year of study  | First year |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Aleksandra S. Đorđević |
| 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)** |
| *This course aims to introduce students to basic experimental techniques used in laboratory for organic chemistry. After this course students are able to choose and apply practical techniques used in laboratories for organic chemistry.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Lectures:** **Theoretical aspect of experimental techniques usually used in laboratories for organic chemistry. Filtration techniques. Distillations (simple, fractional, steam, vacuum and short path distillations). Extractions (simple and continuous). Crystallization. Sublimation. Drying of liquids and organic compounds solutions. Chromatography (thin layer, column chromatography, gas-liquid chromatography and high pressure liquid chromatography). The mixtures’ separation.** |
| **LANGUAGE OF INSTRUCTION** |
| X Serbian (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** | **0-5** | **Written examination** | **-** |
| **Practical teaching** | **0-5** | **Oral examination** | **0-10** |
| **Teaching colloquia** | **(0-40) x 2** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |