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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Sciences and Mathematics | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Chemistry** | | |
| Study Module (if applicable) | | | | - | | |
| Course title | | | | Selected Chapters of Physical Chemistry | | |
| Level of study | | | | ☐Bachelor ☐ Master’s ✓ Doctoral | | |
| Type of course | | | | ☐Obligatory✓ Elective | | |
| Semester | | | | ✓ Autumn ☐Spring | | |
| Year of study | | | | II | | |
| Number of ECTS allocated | | | | 16 | | |
| Name of lecturer/lecturers | | | | Snežana Tošić | | |
| Teaching mode | | | | ✓Lectures ☐Group tutorials ☐ Individual tutorials  ☐Laboratory work ☐ Project work ✓ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| *Upgrading the existing knowledge of physical chemistry acquired through the previous levels of studies with the aim to understand specific problems.*  *Student should be able to monitor and interpret different systems and problems in all the fields of chemistry, especially in terms of thermodynamic equilibrium i.e. the possibility of a process.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| **Selected chapters in the following areas of physical chemistry: physical state of matter; chemical thermodynamics; chemical equilibrium; phase equilibrium; solutions and mixtures; surface phenomena; colloids; chemical kinetics; electrochemistry.** | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| ✓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** | **-** | | **Written examination** | | | **-** |
| **Practical teaching** | **-** | | **Oral examination** | | | **40** |
| **Teaching colloquia** | **60** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |