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| **Faculty of Sciences and Mathematics, UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Undergraduate** |
| Study Module (if applicable) |  |
| Course title | Transition metal chemistry with coordination chemistry |
| Level of study | ☒ Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  | ☐ Autumn ☒ Spring |
| Year of study  | Second |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Ružica S. Nikolić |
| Teaching mode | ☒ Lectures ☒Group tutorials ☐ Individual tutorials☒ Laboratory work ☐ Project work ☐ Seminar☐ Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Acquisition of the knowledge of transition metals and coordination chemistry.**Introduction with the physicochemical properties, compounds and applications of the transition metals.*  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Chemistry of the transition metals of the 1st, 2nd and 3rd series. Distributions, properties, compounds, applications.Coordination chemistry: central atom, ligands, formation, synthesis, investigation, application and importance of coordination compounds. |
| **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** | **5** | **Written examination** | **/** |
| **Practical teaching** | **5** | **Oral examination** | **30** |
| **Teaching colloquia** | **60** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |