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| **Faculty of Sciences and Mathematics, UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | |  | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Postgraduate** | | |
| Study Module (if applicable) | | | | Applied chemistry | | |
| Course title | | | | Inorganic materials in industry | | |
| Level of study | | | | ☐ Bachelor ☒ Master’s ☐ Doctoral | | |
| Type of course | | | | ☒ Obligatory ☐ Elective | | |
| Semester | | | | ☒ Autumn ☐ Spring | | |
| Year of study | | | | Second | | |
| Number of ECTS allocated | | | | 6 | | |
| Name of lecturer/lecturers | | | | Maja N. Stanković, | | |
| Teaching mode | | | | ☒ Lectures ☐ Group tutorials ☐ Individual tutorials  ☒ Laboratory work ☐ Project work ☐ Seminar  ☐ Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| *Introduction with the inorganic materials used in water industry, industry of fertilizers, ceramics, pigments, fibers, nuclear fuels, (properties, role, importance, etc.)*  *Connecting of physicochemical properties of inorganic materials with possibilities of industrial applications* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Water in industry. Inorganic fertilizers. Industrial inorganic solids. Construction materials. Glass. Inorganic fibers. Metals (steel, alloys). Fillers and coatings. Inorganic pigments. Batteries. Fuel cells. Nuclear fuels. | | | | | | |
| **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** | **15** | | **Oral examination** | | | **20** |
| **Teaching colloquia** | **60** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |