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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | **CHEMICAL TECHNOLOGIES** |
| Study Module (if applicable) | ORGANIC CHEMICAL TECHNOLOGY AND POLYMER ENGINEERING MODULE |
| Course title | Adhesion compouunds |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | I |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Staniša Stojiljković, Suzana Cakić |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introducing students to the types of adhesion compounds, their properties and technological production processes.The students are expected to obtain knowledge about the technologies of production of adhesives and their application. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Introduction, chemical and physical aspects of adhesion, partition of the adhesive. Adhesives based on the skrab and dextrin, based on the animal protein, based on the aqueous emulsions of polymeric resins, on the basis of natural caoutchouc. Examples of synthetic adhesives, synthesis and properties of poly (vinyl acetate), epoxy adhesives, acrylate polymers and copolymers, a polyurethane adhesive, urea formaldehyde adhesives, phenol formaldehyde adhesives, silicone adhesives. |
| **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** | **10** | **Written examination** | **/** |
| **Practical teaching** | **20** | **Oral examination** | **30** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |