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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | TECHNOLOGY |
| **GENERAL INFORMATION** |
| Study program  | TECHNOLOGICAL ENGINEERING |
| Study Module (if applicable) | Organic chemical technology and polymer engineering, Ecological engineering |
| Course title | Construction materials |
| Level of study | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | III |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Stanisa Stojiljkovic |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Getting to know the types of structural materials and their properties relevant to practical application. Using data on the properties in the selection of several classes of materials. The study of new natural materials of our region. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Introduction to classical and modern materials. Metals and alloys. And obtaining cell. Vitreous and minerani materials. Polymeric and elastomeric material. The basic properties of the material. Thermal insulation and waterproofing materials. Composite and nanomaterials. Natural materials, advantages and disadvantages. Recycling and re-appropriation of material. |
| 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** |  | **Oral examination** | **60** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |