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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of technology | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Technological engineering** | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | New technological processes of yarn formation | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | I | | |
| Number of ECTS allocated | | | | 8 | | |
| Name of lecturer/lecturers | | | | Miodrag Stamenkovic | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Introducing students to new unconventional spinning process, the raw materials used and procedures for making unconventional yarn, their structural and constructional characteristics. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| 1.Caracteristics of conventionale spinning Technology as motive for dewelop new spinning Technologys;  2.Rotor spinning of Short-staple fibres;  3.Spinning Limit by Rotor spinniung process;  4.Rotor spinning of micro fibres;  5.Combing yarns by Rotor spinningTechnology (Ricofil-spinning);  6.Yarn struccture and construction characteristics by Rotor-spinning;  7.Air Jet-spinning;  8.Wrap-spun Yarn, Technology and processis;  9.Friction spinning;  10. Efects and Technical Friction Yarns;  11.Self-twist spinning of long-sraples Fibres;  12.Adhesives, twistless Yarns;  13.Electrostatic spinning;  14.Comparative caracteristics u conventional and unconventionale Yarns;  15.New trends in Yarn-spinning Technology: | | | | | | |
| **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** | **25** | | **Written examination** | | |  |
| **Practical teaching** |  | | **Oral examination** | | | **25** |
| **Teaching colloquia** | **50** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |