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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 [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [x] Spring |
| Year of study  | I |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Miodrag Stamenkovic |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [x]  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** |
| [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** | **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** |