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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | FACULTY OF TECHNOLOGY LESKOVAC |
| **GENERAL INFORMATION** |
| Study program  | TEXTILE TECHNOLOGIES |
| Study Module (if applicable) | TEXTILE ENGINEERING MODULE |
| Course title | **Unconventional spinning techniques** |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | I |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | **DušanTrajković** |
| Teaching mode | ☒Lectures ☒Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☒ Seminar☐Distance learning ☒ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introduction to the development trends of new unconventional procedures of spinning, the raw materials that are used and procedures for making unconventional yarn. Analysis of the structural characteristics of unconventional yarns and their benefits for a certain areas of application in comparison to the conventional yarns. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Rotor spinning of the short fibrillar raw materials; Rotorspinning micro-fiber; Combed rotor yarn (Ricofil); Structural characteristics of rotor yarn; Air-Jet spinning system; Spinning with the wrapping; Friction spinning; Effective and technical friction yarn; Self-twist spinning of long fibrillar raw materials; Adhesion spinning; Electrostatic spinning; Comparative characteristics of the yarn spun by various methods; |
| **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** | **20** | **Written examination** | **15** |
| **Practical teaching** | **15** | **Oral examination** | **25** |
| **Teaching colloquia** | **25** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |