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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 | **Yarn projecting** |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | II |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | **Dušan Trajković, Goran Demboski** |
| 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 structural and constructional characteristics of certain types of yarn. The effect of fiber characteristics and parameters of technological processes on the characteristics of the yarn. Methods of designing yarn characteristics spun by various methods. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Characteristics of the yarn and labeling system of fineness for folded and cabled yarn. Helical structure and intensity of the yarn twist; Mechanical characteristics of the yarn; The unevenness of yarn, diagrams and spectrograms of mass, Linear unevenness; Uster statistics, determining the competitiveness of the yarn; Utilization of the strength of fibers in the yarn; Rheological properties of the yarn; The impact of raw materials and technical and technological parameters on the characteristics of the yarn; Empirical methods for projecting limited values of the yarn characteristic; Projecting the characteristics of textured yarn. |
| **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** |