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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 | **Knitting technology** |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | III |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | **Dušan Trajković** |
| Teaching mode | ☒Lectures ☒Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☒ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The main objectives of this course are to master basic principles of knitting, introduction to electronic devices for control and sampling, devices for automation and the basic directions of development of knitting machines. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Basic principles in the process of creating a loops; Systems and devices for managing and changing the structure of knit fabric in the weft and warp knitting mode; Electronic control and sampling on knitting machines; Mechanisms for adding yarn, withdrawal and winding knit fabric; Programme management and programme knitting on a flat knitting, circular, warp and hosiery machines; Flat knitting machines; Circular knitting machines of large diameter; Circular knitting machines with small diameter - hosiery machines; The warp interlacement machines; Automation and computerization of the knitting process. |
| **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** | **10** | **Written examination** | **25** |
| **Practical teaching** | **10** | **Oral examination** | **30** |
| **Teaching colloquia** | **25** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |