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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) | INDUSTRIAL DESIGN OF TEXTILE PRODUCTS MODULE |
| Course title | **Technology of nonwovens** |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | IV |
| Number of ECTS allocated | 5 |
| 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)** |
| Introduction to the fibers used to produce non-woven textile materials and technological process of their production and finalization. Special emphasis is given to the parameters quality of these textile materials and to the ability to adjust them during the drafting process. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The raw materials used in the manufacture of non-woven textile materials; Different systems of forming web as the basis for the formation of non-woven textile materials; Needled nonwovens; Connecting the fibers within web with loops (sewing - knitting technology); Hydrodynamic connections of fibers in web; Chemical and thermal bonding of fibers in web; Finalization process of non-woven textile materials; Testing and quality control of non-woven textile materials. |
| **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** |