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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of technology |
| **GENERAL INFORMATION** |
| Study program  | **Textile technologies** |
| Study Module (if applicable) | Industrial design of textile products module |
| Course title | Techniques of textile joining |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☐ Autumn ☒Spring |
| Year of study  | I |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Nenad Cirkovic, 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)** |
| Mastering knowledge in the field of modern techniques ofjoining parts of textile. Joining parts of textile with sewing, thermoplastics, adhesives, action of heat (welding), ultrasound, etc.. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| 1. Techniques of joining pieces of clothing - Classification. 2. Joining textiles with sewing thread, sewing characteristics. 3. Types and characteristics of sewing points. 4. Types and features of sewn seams. 5. The auxiliary device for forming sewn seams. 6. Joining pieces of clothing by using adhesive agent. 7. Textile welding assembly techniques. 8. Dry and ultrasonic laminating. 9. Machinery and equipment for joining textile, characteristics of their main mechanisms. 10. Mutual operation of working parts of sewing machines and materials in the design points. 11. Manual and NC control of the process of joining textiles, the use of robots. 12. The assembly techniques with heated wedge, hot air and ultrasound. 13. Performance test methods seams. 14. Shear wires in the weld seams and opening under the influence the load. 15. The permeability of air and water at the different types of stitches. |
| **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** | **5** | **Written examination** |  |
| **Practical teaching** | **5** | **Oral examination** | **50** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |