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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of Technology |
| **GENERAL INFORMATION** |
| Study program  | **TEXTILE TECHNOLOGIES** |
| Study Module (if applicable) | Textile engineering module |
| Course title | Unconventional weaving techniques |
| 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 | Jovan Stepanović |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The aim of the course:Introduction to the the processes of forming fabrics on the unconventional weaving machines. The study of production processes plush and terryfabrics. Analysis of multiphase and multiaxial weaving.Outcome: The students acquire the necessary knowledge to manage the processes of forming fabrics on the unconventional weaving machines. They are also prepared to further improve their knowledge in the field of weaving. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Course content:Theoretical classes:Weaving terry fabric. Construction of terry fabric and technique of their formation. Weaving carpets. Industrial fabrics for carpets and forming techniques. Multiphase weaving with wavy shed. Weaving with parallel sheds. Weaving technology of triaxial fabrics. Structural solutions for triaxial fabrics. Weaving technology of tetraaxial fabrics. Structural solutions tetraaxial fabrics. Weaving techniques of three-dimensional structure.Practical classes:Computing practice in the field unconventional weaving techniques. Structural analysis solutions of unconventional woven structure. |
| **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** |  |
| **Practical teaching** |  | **Oral examination** | **40** |
| **Teaching colloquia** | **50** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |