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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 | Weaving 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 | 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. The study of technological processes of rewinding yarn, doubling, twisting, warping, sizing, introduction and continuing of warp, prepares weftand forming fabrics on looms.Outcome: The students acquire the necessary knowledge to manage the processes of preparation for weaving and forming fabrics on weaving machines. This will enable them to conduct the process of making fabric. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Course content:Theoretical classes:Rewinding coils of yarn. Twisting. Warping. Sizing. Vaxing. The introduction and continuing the warp. Preparation of weft for weaving. Principles of weaving machines. The longitudinal movement of the warp and fabric on the loom. Devices for tightening and loosening warp on the loom. The withdrawal and winding fabric on the loom. Forming a shed. Entering the weft into the shed using shuttle, projectile, gripper, air jet, water jet.Nailing weft. Finishing work inweaving mill.Practical classes:Computing practice in the field of preparatory work for weaving. Computing practice in the field of weaving. Computing practice in the field of finishing works in the weaving process. Solving specific problems in the process of forming fabrics.  |
| **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** |