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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of technology |
| **GENERAL INFORMATION** |
| Study program  | **Technological engineering** |
| Study Module (if applicable) |  |
| Course title | Garment design and engineering |
| Level of study | ☐Bachelor ☐ Master’s ☒ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☒Spring |
| Year of study  | I |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Vasilije Petrovic |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☒ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Adoption of specific knowledge in aim training of students for engineering design and simulation of clothing. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| 1. Engineering designing clothing - introductory considerations. 2. Geometrical characteristics and anthropometry of the human body. 3. Determination and marking of sizes for clothing. 4. The systems problem for determination of clothing size and market. 5. Norms and standardization in the field of clothing products. 6. Anthropometric instruments and their use.3D body scanner. 7. Engineering designing clothes based on the mechanical properties of textile materials and leather. 8. Draping. 9. Ability for forming, elastic potential. 10. The effect of the mechanical properties of textile materials to the use of clothing. 11. Achieving 3D design, quality of fit and quality of the manufactured seams as a criterion of utility properties of clothing looks. 12. Clothing system from the standpoint of heat, physiological, mechanical and ergonomic comfort. 13. Substitution here of heat and thermoregulation of the human body. 14. CAD systems in engineering of projecting clothes. 15. CAM systems in engineering of designing clothes.  |
| **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** | **30** |
| **Teaching colloquia** | **60** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |