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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Technology, Leskovac |
| **GENERAL INFORMATION** |
| Study program  | Technological engineering |
| Study Module (if applicable) | - |
| Course title | Environmental aspects of textile engineering  |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [x] Spring |
| Year of study  | II |
| Number of ECTS allocated | 8 |
| Name of lecturer/lecturers | Dragan Djordjevic |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The acquisition of knowledge, skills and abilities to independently solve practical and theoretical problems in the field of environmental engineering aspects of textile materials, organization and realization of development and scientific research, training for inclusion in national and international scientific projects and implementation of new technologies and procedures within the engineering of textile materials.Developing the ability of critical analysis of existing knowledge, comminution at the professional level, the communication of research results at scientific conferences, through scientific journals, through patents and new technical solutions within the engineering of textile materials with specific reference to the environmental acceptability of textile materials and products. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| 1. National legislation in the sphere of ecology and environmental norms in Serbia.
2. Alignment of environmental norms with relevant EU standards.
3. Ecological aspects of the technological processes of mechanical processing of textiles.
4. The environmental aspects of the technological processes of textile preparatory finishing of plant, animal and man-made origin.
5. Environmental aspects of the technological processes of the final finishing of textiles of vegetable, animal and man-made origin.
6. Ecological aspects of technological procedures of special textile finishing of plant, animal and man-made origin.
7. Ecological aspects of technological procedures textile dyeing of plant, animal and man-made origin.
8. Environmental acceptability of the final product of plant, animal and man-made origin.
9. Waste water preparation textile finishing plant, animal and man-made origin. The human aspect of ecology textile materials.
10. Waste water treatment textile finishing of plant, animal and man-made origin. Ecology waste disposal.
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| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [x]  English (complete course) [ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)[x] 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** | **-** | **Oral examination** | **50** |
| **Teaching colloquia** | **45** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |