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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | FACULTY OF TECHNOLOGY LESKOVAC |
| **GENERAL INFORMATION** |
| Study program  | Food technology and biotechnology |
| Study Module (if applicable) | Food technology module, Biotechnology module |
| Course title | **General microbiology** |
| Level of study | XBachelor ☐ Master’s ☐ Doctoral |
| Type of course | X Obligatory ☐ Elective |
| Semester  | X Autumn ☐ Spring |
| Year of study  | II |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Dragiša Savić |
| Teaching mode | X Lectures ☐Group tutorials ☐ Individual tutorialsX Laboratory work ☐ Project work X Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *The course purpose is recognizing the importance of microorganisms in the evolution and nature, as well as the theoretical and practical introduction to the diversity and biology of microorganisms. Knowledge of the microorganisms as a living bioprocess components enable better and more complete application of engineering disciplines in food and other biotechnologies.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **The role and importance of the microorganisms in the nature, The chemical composition of the cell, The structure of procariotic and eucariotic cells, Membrane transports, The growth of microorganisms, The role of microorganisms in the elements cycling in nature, Microbial Ecology, Systematics and classification of microorganisms, Forms, Ecology and the role of bacteria, fungi (yeasts and molds), protozoa, algae and viruses.** |
| **LANGUAGE OF INSTRUCTION** |
| X 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** | **20** |
| **Practical teaching** | **10** | **Oral examination** | **30** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |