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|  **UNIVERSITY OF NIŠ** |
| Course Unit Descriptor | Faculty  | Faculty of sciences and mathematics, University of Nis  |
| **GENERAL INFORMATION** |
| Study program  | Biology |
| Study Module (if applicable) |  |
| Course title | **АLGOLOGY AND MICOLOGY (BIО204)** |
| Level of study | ☐Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☐ Elective |
| Semester  |  ☐ Autumn ☐Spring |
| Year of study  | 2 |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Morphological organization, structure of talus and cells, life cycle, evolution, ecology and importance of algae in nature and human use of: Cyanobacteriophyta, Rhodophyta, Pyrrophyta, Xanthophyta, Chrysophyta, Bacillariophyta, Phaeophyta, Euglenophyta, Chlorophyta and Charophyta. Characteristics of kindom Mycota, structure of the talus, reproduction and life cycles of Myxomycota and Mastigomycota, Zygomycota, Ascomycota, Basidiomycota and Deuteromycota. General characteristics and biology of lichens. The importance of fungi and lichens in nature and human use.Practical lessons: methods of collecting and fixation of samples. Microscopy and study the levels of morphological organization, cell structure and life cycle of the selected representatives genera of algae, fungi and lichens. |
| 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 is to introduce the students with the basic characteristics of the major taxonomic groups of algae, fungi and lichens, as well as their phylogeny, distribution and importance in natural ecosystems and human use. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Upon completion of the course the student shoul be able to: 1. understand the main characteristics of the different groups of algae, fungi and lichens; 2. understand the role of algae, fungi and lichens in natural ecosystems; 3. acquire basic knowledge about the importance of these groups of organisms in the human use and biomonitoring (bioindicator species). |
| **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** | **5** | **Written examination** | **20** |
| **Practical teaching** | **5** | **Oral examination** | **40** |
| **Teaching colloquia** | **15** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |