

Faculty of Natural Sciences

Study program: Bachelor's in biology and Chemistry

Course Title: Systematic of Plants 1

Course Credits: 4

Language of Instruction: Albanian

Course Description: Systematics of Plants 1 deals with the morphology, vegetative and sexual reproduction, developmental cycle, diversity, ecology, geographical distribution, classification and phylogeny of Prokaryotic organisms (Bacteria, Archaea) and some groups of non-animal Eukaryotes, including Mushroom-like Protists, Mushrooms (Fungi), Protophytes (Algae), nonvascular terrestrial Plants (Embryophyta) and vascular non-seed Plants (Pteridophyta).

Students, during the development of this course, will acquire the skills to prepare the observational experiment and to identify different genera of algae, fungi and non-vascular plants in the laboratory and in the field.

Course Goals: This course introduces students to the taxonomy, phylogenetic classification and evolution of Prokaryotic and eukaryotic organisms, competently arguing the laws of their creation, development and evolution. Other important issues that are treated during this course are also the morphological characteristics, type of reproduction, development cycle, geographical distribution and economic value of the main species of different groups above.

The aim of this course is to understand the diversity of Prokaryotic and Eukaryotic organisms from a phylogenetic perspective, as well as from developmental and functional morphology point of view, and to be able to understand their evolutionary path and divergent radiation.

Course Requirements: Attendance of lectures by a student is facultative. Attendance of laboratories is compulsory at 100%.

Grading: The final assessment is made with 100 points. Continuous assessment during the academic year, 30 points

Course Schedule: The course takes place during the first semester, for 15 weeks, and for each week there are 2 hours lectures and 1 hour of laboratory.