

## Sample Course Description

**Faculty:** Faculty of Natural Sciences

**Study program:** Bachelor

**Course Title:** Microbiology

**Course Credits:** 8

**Language of Instruction:** Albanian

**Course Description:** Microbiology is one of the most important disciplines in biology, identifying organisms that cause disease and using of some microbes for industrial purposes. Microbiology is used in many aspects of daily life, including food production, biodegradation, genetic engineering, biotechnology etc. Microbiology course gives the student basic knowledge about the differences and similarities between eukaryotic and prokaryotic cells, culture of microorganisms, classification of bacteria by staining, microbial metabolism, fermentation, diseases caused by food, viruses and bacteriophages, pathogenesis of different microorganisms, laboratory diagnosis, cultural and clinical properties etc.

**Course Goals:** Students studying the microbiology course are equipped with knowledge of testing procedures, operation and laboratory equipment, good communication skills, compliance with safety protocols etc. Students will be able to self practice: sterilization techniques, to cultivate, to identify and determine different bacteria etc.

**Course Requirements:** The microbiology course is designed only with laboratory work, where the student must be present in all hours of laboratory work. After the completion of the laboratory work, the student submits the completed report of the experimental work, which is evaluated with points by the lecturer.

**Grading:** Students's final evaluation is done with 80 points together with the 20 points of continuous evaluation. In total 100 points.

**Course Schedule:** Lectures attendance is optional for the students. Laboratories attendance is mandatory for 100% of the laboratories. Continuous evaluation during the year is 20 points.

(Maximum 250 words)