

## **General Physiology**

**Faculty** of Natural Sciences

**Study program:** BSC Biology- Chemistry

**Course Title:** General Physiology

**Course Credits:** 9

**Language of Instruction:** Albanian

**Course Description:** General physiology deals with the functions of organs, systems and apparatus in organisms, a treatment that takes place at the subcellular level. Homeostasis its control systems. The nervous system as the leading organizing and coordinating unit of systems and apparatus in the realization of the adaptation of the organism to the external environment and to its various functional states. Musculature and features that distinguish its types depending on the location in the body. The cardiovascular system, the functional features of the heart in the realization of its hemodynamic pump function. Respiratory system and close connection with the cardiovascular system in gas transport. Digestion at different levels of the apparatus and the role of annex glands in it. Function of the kidney Laboratory exercises provide first-hand experience with the structure and processes

**Course Goals:** The student acquires scientific and professional competencies which consist in gaining general knowledge on the physiological processes of humans and animals as well as knowledge of methods, practices, and analysis of physiology laboratories.

### **Course Requirements:**

Base literature:

Medja 2017 Written lectures of general physiology

Ruka 2005: Animal physiology shblu.Textbook.

Medja N 2013 : Practice in general physiology (written in laboratories)

Recommended literature

Aliko V. 2006: Instruction text of laboratoric work in animal physiology.Textbook Morava

Richard W. Hill; Gordon A. Wyse; Margaret Anderson 2008 Animal Physiology, Second Edition

### **Grading:**

Attendance:

Lectures are optional

Students are obligated to follow 100% of laboratory classes

Seminars should be attended to 75%

Continuous control: 20 points

Final Exam: 80 points

**Course Schedule:**

First semester and second semester of third academic year.

First semester:

Lecture: two hours a week

Laboratories: two hours in two weeks

Second semester:

Lecture: two hours a week

Laboratories: two hours in two weeks

Seminars: one hour a week