

**Faculty:** Faculty of Natural Sciences

**Study program:** Bachelor in Biology - Chemistry

**Course Title:** Invertebrate Zoology Part 1

**Course Credits:** 4

**Language of Instruction:** Albanian

**Course Description:** This subject gives knowledge about the morphology, taxonomy, physiology and ecology of invertebrate animals. For this subject, the students must be equipped with knowledge of biological, chemical, and geographical basic concepts. During the course, the students will learn the skills for preparing, observing, experimenting and dissection of these animals in laboratory.

**Course Goals:** This course introduces students to the diversity of invertebrates, which are the vast majority of all animals on the planet. We cover the development, adult anatomy, biology, and evolutionary relationships of the main animal phyla including but not limited to sponges, mollusks, annelids, and arthropods. Special emphasis is placed on understanding the similarities and differences in embryonic development, the broad diversity of animal forms and their adaptations to different ecosystems, and how these phenomena shape animal evolution. The aim of this course is to understand animal diversity from a phylogenetic perspective as well as from a developmental and functional morphology point of view, and to be able to understand the evolution and divergence of these features in the context of animal evolution.

**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, 20 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 .