

Animal Histology and Organology

Teacher(s)	Helena Nejezchlebová, Monika Dušková, Iveta Hodová		
Department/Faculty	Department of Experimental Biology, Faculty of Science	Field/ Keywords	animals, histology, organology, tissues, organs, microscopic anatomy, structure, function
Academic Level	Bachelor;		

Course Description

The course is focused on the description of animal tissue structure within the main tissue type categories, description of the structure of animal organs, interpretation of the relationship between the structure and associated function of tissues and organs. The course will include the theoretical and practical part with histological sections presentation, individual work with permanent microscopic preparations and their documentation.

Lecture Topics

1. Animal histology and organology - introduction, light microscopy
- 2.-5. Histology - types of animal tissues, their characteristics and descriptive microscopic examination, structure and associated function
- 6.-10. Organology - cardiovascular and immune system, respiratory system, urinary and excretory system, gastrointestinal system, nervous and endocrinous system, integumentary system. Characteristics, descriptive microscopic examination, structure and function of these systems.

Pre-Requisites

- knowledge of biology at the secondary school level