COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KBE/Bi-BD101A/22	**Course title:** Zoology I
Type and range of planned learning activities and teaching methods: **Form of instruction:** Lecture / Seminar **Recommended study range:** **hours weekly:** 2 / 2 **hours per semester:** 26 / 26 **Teaching method:** on-site	
Credits: 5	**Working load:** 125 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisities:	

Requirements for passing the course:

Verification of the relevant knowledge, skills and competencies of the student is carried out based on theoretical and practical examinations during the semester teaching.

During the exercises, the student demonstrates his theoretical knowledge by solving tasks focused on the issues discussed in the lecture. Independently works out tasks that consist of searching for logical connections in the given issue. At the same time, student demonstrates practical skills in identifying and classifying studied species or higher taxonomic groups of animals.

Final assessment: total percentage gain from practical driving tests 50% and from theoretical knowledge 50%.

Subject evaluation:

A – 100% - 93%
B – 92% - 85%
C – 84% - 77%
D – 76% - 69%
E – 68% - 60%
Fx – 59% - 0%

Learning outcomes of the course:

Subject objective:

The aim of the subject is to present animals as a group within the living organisms. The animals are a diverse group with several separate evolutionary lines and with species characterized by diverse life strategies. The goal is also to present the groups and species of animals living in Slovakia. The graduate of the subject has a sufficient basis for a future profession in the biological field.

Education outcomes: (knowledge, skills and competencies):

- the student knows and understands the theory of the zoological system
- he / she orients himself in current knowledge on major groups of organisms
- he / she knows the principles of animal classification and has an overview of the most important taxonomic units of the animal kingdom, respecting their evolution
- he / she is able to identify selected species of animals of individual groups
- he / she knows the morphological and anatomical structure of selected groups of animals
- he / she has an overview of the phylogenetic development of animal organ structures and the overall structure of their body

- he / she can work with a microscope

Course contents:

Subject content:

1. Basics of classification of living organisms and the zoological system.
2. Unicellular eukaryotes (Protista) as a group outside the animal system.
3. Theories of the origin of multicellular organisms and the primary groups of multicellular organisms - Placozoa, Porifera and Radiata.
4. Formation of tissues, organs and organ systems and their characteristics.
5. Characteristics and phylogeny of the integument and skeletal system.
6. Characteristics and phylogeny of the digestive, vascular, and respiratory systems.
7. Characteristics and phylogeny of regulatory systems and senses.
8. Characteristics and phylogeny of the excretory and reproductive system.
9. The main differences between the developmental groups of Protostomia and Deuterostomia.
10. Phylogeny and characteristics of groups of Platyhelminthes and Rotifera.
11. Phylogeny and characteristics of the Mollusca and Annelida groups.
12. Phylogeny and characteristics of Nematoda and Arthropoda groups.
13. Phylogeny and characteristics of the Arthropoda group.

Recommended or required literature:

Language of instruction:

Notes:

Course evaluation:

Assessed students in total: 41

A	B	C	D	E	FX
24.39	7.32	4.88	14.63	24.39	24.39

Name of lecturer(s): doc. RNDr. Michal Baláž, PhD.

Last modification: 22.08.2022

Supervisor(s):

Guarantor:

Administrátor Systému

People responsible for the delivery, development and quality of the study programme:

prof. ThDr. Rastislav Adamko, PhD., doc. Mgr. Marek Babic, PhD., doc. RNDr. Pavel Bella, PhD., prof. PaedDr. Mgr. art. Rastislav Biarinec, ArtD., prof. Irina Chelysheva, DrSc., prof. PaedDr. František Dlugoš, PhD., Mgr. Juraj Dvorský, PhD., prof. PhDr. Ingrid Emmerová, PhD., doc. Tatiana Korenkova, CSc., prof. PaedDr. Milan Ligoš, CSc., doc. Mgr. Eva Litavcová, PhD., doc. PaedDr. Peter Mačura, PhD., prof. PhDr. David Papajík, PhD., doc. Ing. Miroslav Saniga, CSc., prof. Nóra Séllei, PhD., DrSc., PhDr. ThLic. Martin Taraj, PhD., Prof. Ing. Peter Tomčík, PhD., prof. Dr. phil. fac. theol. Peter Volek, doc. Ing. Igor Černák, PhD.