

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KBE/Bi-BD102A/22	Course title: Zoology II
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 3 hours per semester: 13 / 39 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KBE/Bi-BD101A/22	
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 / her 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. Within the study of this subject student completes a field work exercise. During the field work exercise, he / she will work with some wild animals living in Slovakia. 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 chordates as an important phylogenetic group of animals. The aim is also to present the species of vertebrates living in the territory of Slovakia so that the graduate of the course has a sufficient basis for a future profession in the biological field. Education outcomes: (knowledge, skills and competencies): - the student knows the current knowledge on the phylogenetic status of groups of chordates - knows and identifies selected species of chordates of individual groups - knows and identifies selected species of vertebrates living in Slovakia - he / she is familiar with the methods of research, observation, trapping and methods of handling selected groups of animals that live in the territory of Slovakia	
Course contents:	

1. Basic characteristics of the Deuterostomia and Chordata groups and their evolution. Origin and development of the chorda.
2. Characteristics of the groups Urochordata and Cephalochordata with regard to common and different features with the group of vertebrates (Vertebrata).
3. Formation of the skeleton. Characteristics of the jawless group (Agnatha).
4. Transformation of gill arches, formation of jaws. Characteristics of the jawed group (Gnathostomata).
5. Characteristics of the group of Chondrichthyes.
6. Formation of the bony skeleton. Basic characteristics and phylogenetic position of the Teleostomi group.
7. Characteristics of the group of ray-finned fish (Actinopterygii) with a focus on groups whose species also live in Slovakia.
8. Characteristics of the Sarcopterygii group, the transition of vertebrates to dry land and the evolution of tetrapods (Tetrapoda).
9. Characteristics of the amphibian group (Amphibia).
10. Formation of germ layers, definitive colonization of dry land. Characteristics of the group of reptiles (Reptilia).
11. Characteristics of the group of birds (Aves) with a focus on groups living in Slovakia.
12. Characteristics of the group of mammals (Mammalia) with a focus on groups living in Slovakia.
13. Methods of observation, attraction, trapping, manipulation, and research of individual groups of vertebrates living in Slovakia.

Recommended or required literature:

Language of instruction:

Notes:

Course evaluation:

Assessed students in total: 32

A	B	C	D	E	FX
40.63	6.25	15.63	6.25	9.38	21.88

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

Last modification: 23.08.2022

Supervisor(s):

Guarantor:

Administrátor Systému

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

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