

Course Information Sheet

University: <i>University of Prešov in Prešov</i>	
Faculty: <i>Faculty of Humanities and Natural Sciences</i>	
Code: <i>2EKO/ZOO2/22</i>	Title of Course: <i>Vertebrate Zoology</i>
Form of Study: <i>lectures, laboratory classes</i> Number of contact hours: <i>Form of teaching: lectures, exercises</i> <i>Weekly scope: lectures 2, exercises 2</i> <i>Scope for the study period: lectures 26, exercises 26, 141 hours self-study (preparation for learning about selected groups of vertebrates, elaboration of laboratory protocols)</i> <i>Study method: full-time</i>	
Number of credits: <i>6</i>	
Semester: <i>5. semester/3. study year</i>	
Degree/Level: <i>bachelor</i>	
Prerequisites:	
Grading Policy (Assessment/Evaluation): <i>Conditions for passing the course:</i> <i>Unjustified non-participation in direct teaching is assessed as failure to meet the conditions for successful completion of the course. 1 absence is allowed on the basis of a medical certificate). For other absences, the student will receive substitute assignments. In case of unjustified non-participation or a large number of absences, the student will not be granted credits.</i> <i>The evaluation of the student's study results within the study subject will take place:</i> <i>a) continuous control of study results during the teaching part of the semester (getting to know the representatives of the chordates, continuous written control),</i> <i>(b) by written examination.</i> <i>The evaluation of the student's study results within the study subject will be carried out by continuous control of the study results during the teaching part of the semester (one continuous written control). The student can take the exam only if he / she has completed the exercises and no later than in the last week of teaching and has submitted properly prepared written protocols on the work in the exercises and has completed each part at least 50%</i> <i>The final exam is in written form.</i> <i>The success criteria (percentage expression of results in the evaluation of the exam from the subject) are for the classification levels as follows:</i> <i>a) A - 100.00 - 90.00%</i> <i>b) B - 89.99 - 80.00%</i> <i>c) C - 79.99 - 70.00%</i> <i>d) D - 69.99 - 60.00%</i> <i>e) E - 59.99 - 50.00%</i> <i>f) FX - 49.99 and less%</i>	
Aims and Objectives: <i>Upon successful completion of the course, the student will demonstrate the ability to orientate in individual taxonomic groups of chordates. He is able to define the basics of systematics, phylogeny, evolutionary morphology and anatomy of chordates. He can independently define common representatives of individual taxonomic groups of chordates. Demonstrates theoretical knowledge of individual taxonomic groups and cenoses within different habitats.</i>	

After completing the course, students have the ability to further their education and are able to obtain and interpret new information in the field of chordate zoology. Based on them, they are able to make the right decisions in solving ecological and environmental problems.

Syllabus/Indicative Content:

1. Chordata, Urochordata, Cephalochordata. General characteristics and system. 2. Vertebrata - general characteristics: Skin and its derivatives, Skeletal system, Muscular system, Nervous system, Sensory organs, Endocrine glands, Digestive system, Respiratory system, Genitals. Evolution and phylogeny of vertebrates, Systematics. 3. Agnatha - general characteristics and system. 4. Gnathostomata - general characteristics. 5. Placodermi, Acanthodii, Chondrichthyes - general characteristics and systematics. 6. Osteichthyes - general characteristics. 7. Osteichthyes – systematics 8. Amphibia - general characteristics and systematics 9. Reptilia - general characteristics and systematics. 10. Aves - general characteristics, 11. Aves - systematics. 12. Mammalia - general characteristics, 13. Mammalia - systematics.

Suggested readings:

GAISLER, J.: Zoologie obratlovců. Academia, Praha, 1983, 534 s.
LANG, J., KOCIAN, V., PRAVDA, O.: Zoológia II. SPN, Bratislava, 1966, 488 s.
MAJZLAN, O.: Bezchordáty a chordáty. Bratislava, 1988, 288 s.
SIGMUND, L., HANÁK, V., PRAVDA, O.: Zoologie strunatců. UK Karolínium Praha, 1992, 501 s.
TRNKA, A.: Zoológia chordátov pre pedagogické fakulty. Pedagogická fakulta TU, Trnava, 1977

Language of Instruction: *slovak, english*

Other course information:

Grading history

A	B	C	D	E	FX
18%	21%	18%	16%	20%	7%

Lecturer/Instructor:

prof. PaedDr. Ján Koščo, PhD., Instructor
PaedDr. Jakub Fedorčák, PhD., Lecturer, examiner

Last update: 9. May 2022

Approved by: