Course Information Sheet

University: *University of Prešov in Prešov*	
Faculty: *Faculty of Humanities and Natural Sciences*	
Code: *2EKO/AKVKUL/22*	**Title of Course:** *Aquaculture*
Form of Study: *lectures, laboratory classes* ***Number of contact hours:*** *Weekly scope: lectures 1, exercises 1 - (in the form of seminar work)* *Extent for the period of study: lectures 13, exercises 13 (self-study - preparation for presentation (71), (presentation with discussion on the assigned topic)* *Study method: full-time* ***Method**: physical presence/traditional classrooms*	
Number of credits: 3	
Semester: *4. semester/2. study year*	
Degree/Level: *bachelor*	
Prerequisites:	
Grading Policy (Assessment/Evaluation): *Assessment: Ongoing evaluation* *Course assessment: Active participation in lectures and laboratory practices.* *Final assessment: Credit evaluated based on excellent lab practices and protocols and/or final test.* *Attendance at seminars and lectures is mandatory. A student can have a maximum of 1 absence. For other absences, the student will receive substitute tasks, which he / she will additionally complete within the semester. In case of unjustified non-participation or a large number of absences, the student will not be granted credits.* *The evaluation of the student's study results within the study subject will be carried out by a seminar paper and a test. Each part must meet the min. at 50%.* *The success criteria (percentage expression of results in the evaluation of the exam from the subject) are for the classification levels as follows:* *a) A - 100.00 - 90.00%* *b) B - 89.99 - 80.00%* *c) C - 79.99 - 70.00%* *d) D - 69.99 - 60.00%* *e) E - 59.99 - 50.00%* *f) FX - 49.99 and less%*	
Aims and Objectives: *Students will demonstrate knowledge of sub-topics in the field of aquaculture. They can use the acquired knowledge in further study and professional orientation. General knowledge gained from the subject aquaculture is used for follow-up study in the subjects: Ichthyology and Ecology of fish. They have developed skills related to the preparation of the presentation, obtaining professional literature and presenting the results. They know how to communicate basic concepts and issues in the field of sport fishing, farming and ornamental fish species and the basics of ichthyology. They reflect the recent and historical importance of fish for humans. They know how to communicate current fish protection issues independently and understand the urgency of implementing the Water Framework Directive.* *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 ichthyology, ecology and fish protection. Based on them, I understand the importance of fish for the needs of nature and*	

man. The student knows the legislative basis for joining the Slovak Fishermen's Association and the legal conditions for obtaining a Special Fishing Permit for scientific research purposes.

Syllabus/Indicative Content:

1. Fish in the taxonomic system, evolution, basics of fish anatomy and morphology
2. What is aquaculture? History of fishing and fish farming, the importance
3. Legislative conditions for fishing in Slovakia, sport and prohibited methods of fishing
4. Farming of farmed fish species (freshwater, marine, closed recirculation farms)
5. Planting of fish, distribution of districts and breeding centers
6. Invasion, introduction and eradication of non-native fish in the world and in Slovakia
7. The most common diseases and parasites of fish (Fish parasitology)
8. Ornamental fish farming - history and present
9. Breeding of exotic species in aquariums (aquarium equipment)
10. Breeding of ornamental pond fish species (pond equipment)
11. Fish in gastronomy
12. Legislative protection and protected fish species in Slovak waters
13. Ichthyology, its history, focus, scientific methods and ecology of fish

Suggested readings:

BUDAJ, O. a kol. (1984). Rybárske minimum. ÚV SRZ.
HANEL, L. (2002). Akvaristika: biologie a chov vodních živočichů. Obecná část. I. Karolinum.
KOŠČO, J., ŠEVC, J. (2015): Ichtyológia (Ichthyology). Prešov : Prešovská univerzita v Prešove, Fakulta humanitných a prírodných vied. 198 pp.
PALÍKOVÁ, M. (2019). Nemoci a chorobné stavy ryb. Jihočeská univerzita v Českých Budějovicích, Fakulta rybářství a ochrany vod.

Language of Instruction: *slovak, english*

Other course information:

Grading history

A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%

Lecturer/Instructor:

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

Last update: 9. May 2022

Approved by: