**Course Information Sheet**

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| **University:** *University of Prešov in Prešov* | |
| **Faculty:** *Faculty of Humanities and Natural Sciences* | |
| **Code:** *2EKO/ICHT1/22* | **Title of Course:** *Ichthyology* |
| **Form of Study:** *lectures, laboratory classes*<br>***Number of contact hours:***<br>*Weekly scope: lectures 1, exercises 1*<br>*Scope for the study period: lectures 13, exercises 13, self-study 101 (elaboration of presentation, elaboration of field protocols, preparation for species recognition)*<br>*Study method: full-time* | |
| **Number of credits: 4** | |
| **Semester:** *3. semester/2. study year* | |
| **Degree/Level:** *master* | |
| **Prerequisites:** | |
| **Grading Policy (Assessment/Evaluation):**<br>*Attendance at seminars is mandatory. A student can have a maximum of 1 excused absence. For other absences, the student will receive substitute tasks, which he is obliged to complete within the semester. In case of unjustified non-participation or a large number of absences, the student will not be granted credits.*<br>*The evaluation of the student's study results within the study subject will take place:*<br>*A) Continuous control of study results during the teaching part of the semester (fish determination, laboratory protocols, seminar work) with a minimum success rate of 50% of each part.*<br>*B) By a written exam during the examination period with a minimum success rate of 50%.*<br>*The final evaluation is determined as the average of the results from parts A and B as the overall average with a minimum success rate of 50%*<br>*The success criteria (percentage expression of results in the evaluation of the exam from the subject) are for the classification levels as follows:*<br>*a) A - 100.00 - 90.00%*<br>*b) B - 89.99 - 80.00%*<br>*c) C - 79.99 - 70.00%*<br>*d) D - 69.99 - 60.00%*<br>*e) E - 59.99 - 50.00%*<br>*f) FX - 49.99 and less%* | |
| **Aims and Objectives:**<br>*The student demonstrates the ability to orient in individual groups of fish, knows their morphology and anatomy. He masters the methods of studying the ecology of fish, knows their function in the ecosystem. He knows the issue of invasive fish species, the issue of protection of rare and endangered fish species. He knows the economic importance of fish and has the basics of aquaculture.*<br><br>*Based on the information, they are able to make the right decisions in solving ecological and environmental problems. They have developed skills to independently obtain, use and interpret information from the field of ichthyology, ecology and conservation and fish. These skills allow them to continue their self-study.* | |
| **Syllabus/Indicative Content:**<br>*1. Introduction and terminology in ichthyology.2. Morphology and anatomy of fish. 3. Fish* | |

*dissection. 4. Fish environment, abiotic factors in streams, lakes and reservoirs. 5. Ecological groups of fish. 6. Geographical distribution of fish. 7. Basic ichthyological methods. 8. Systematic overview of the most important taxonomic groups of fish - Cypriniformes. 9. Systematic overview of other taxonomic groups of fish. 10. Economic importance of fish - aquaculture, aquaristics, fishing. 11. Protection of fish in Slovakia and in the international dimension (IUCN, NATURA 2000). 12. Invasive fish species, problems of invasions. 13. Taxonomical determination of fish.*

**Suggested readings:**

FRICKE, R., ESCHMEYER, W. N., VAN DER LAAN, R. (eds) 2022. Eschmeyer´s catalog of fishes: Genera, Species, and References. Electronic version.
NELSON, J. S.: Fishes of the world, 2005.
KOTTELAT M., FREYHOF J. : Handbook of the European freshwater fishes, 2007.
HOLČÍK J. Ichtyológia, Príroda, Bratislava, 1998.

**Language of Instruction:** *slovak, english*

**Other course information:**

**Grading history**

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 0% | 27% | 41% | 18% | 14% | 0% |

**Lecturer/Instructor:**

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

**Last update:** 9. May 2022

**Approved by:**