

SYLLABUS

1. Course title:

ICHTHYOLOGY AND FISH DISEASES

2. Code:**3. Cycle of study:**

1

4. ECTS credits:

3

5. Type of course: Mandatory Elective**6. Prerequisites:**

No prerequisites

7. Class restrictions:

No class restrictions

8. Duration / semester:

1

6

9. Weekly contact hours:

9.1. Lectures:

2

9.2. Seminars:

0

9.3. Laboratory/Practice classes:

1

10. Faculty:

Faculty of Technology

11. Department/study program:

Agronomy

12. Lecturer:

Isat Skenderović, associate professor

13. Lecturer's e-mail:

isat.skenderovic@untz.ba

14. Web site:

www.tf.untz.ba

15. Course aims:

The aim of the module is to introduce students with biodiversity and the basic characteristics of fish biology as the most numerous class of spines. Getting acquainted with methods and research in modern ichthyology as well as the techniques of scientific work. Diseases and protection of fish health. The emphasis is placed on the biological and ecological characteristics of fish and fish communities in the fresh waters of Bosnia and Herzegovina.

16. Learning outcomes:

At the end of the semester, successful students, who continued to perform their duties throughout the academic year, will be trained to successfully master the teaching, classical and contemporary methods of ichthyology. After completing the lectures and the laboratory exercises and the successfully passed test and the integral exam (final) students are able to successfully master the knowledge and understanding of ichthyology, fish science, and the systems of organic fish systems, fish behavior, ecology and importance of fish, fish diseases, in order to successfully acquire knowledge on the following modules.

17. Course content:

The term ichthyology, morphology, fish anatomy and physiology, fish reproduction, respiratory system, sorption, circulatory system, nervous system, fish systematics, freshwater ichthyofauna of Bosnia and Herzegovina, fish ecology, fish migration, fish distribution, reasons of freshwater fish, fish diseases caused by protozoa, worms (helminths) and arthropod, and Influence by human.

18. Learning methods:

Teaching methods: theoretical lectures - lectures: PowerPoint presentations and practical lessons - laboratory exercises

19. Assessment methods:

During the seminar, a total of 2 tests will be organized after each 10 hours of lectures. Each test is scored with 10 points. By collecting practical exercises you can get up to 10 points. Field work and seminar work are scored up to 10 points. Attendance is scored 5 points. Teaching activity is rated up to 5 points. The final test of the knowledge assessment is scored with 50 points.

20. Assessment components:

Number of points scored	Rating (BiH)	(ECTS Rating)
<54,00	5	F
54,00 – 63,00	6	E
64,00 – 73,00	7	D
74,00 – 83,00	8	C
84,00 – 93,00	9	B
94,00 – 100	10	A

21. Required reading list:

1. Simonović, P. (2010). Uvod u ihtiologiju. Biološki fakultet, Univerzitet u Beogradu. Beograd.
2. Sofradžija, A. (2009): Slatkovodne ribe Bosne i Hercegovine. Vijeće Kongresa bošnjačkih intelektualaca. Sarajevo
3. Fijan, N. (2006): Zaštita zdravlja

22. Web sources:**23. Applicable starting from the academic year:**

2016/2017

24. Adopted in the Faculty/Academy session: