**Name of the subject:** APPLIED ICHTHYOLOGY

**Teacher(s):** Dr. Branko Miljanović, Dr. Desanka Kostić

**Status of the subject:** elective

**Number of ECTS points:** 15

**Condition:**

**Goal of the subject**

The goal of the subject is to familiarise students with the biology of fish species mostly used for stocking and that are commonly bred in fishponds; fish production in rivers, lakes and accumulations; with aquaculture basics; intensifying fish production in fresh waters, stocking; the role of ichthyofauna in preservation and improvement of quality of hydro-accumulations; drafting fish production management plans.

**Outcome of the subject**

The students should acquire theoretical and practical knowledge for work in fisheries and appropriate institutions.

**Content of the subject**

*Theoretical lectures*

The biology of fish species mostly used for stocking and biology of species that are commonly bred in fishponds. River areas in Serbia; lake areas in Serbia; accumulative lake areas in Serbia; aquaculture; fishponds; planned management of open waters. Fish production in rivers, lakes, accumulations. Intensifying fish production in fresh waters: stocking. The role of ichthyofauna in preservation and improvement of quality of hydro-accumulations. Drafting fish production management plan.

*Practical lectures*

Field work

**Recommended literature**


1. Soldatović. B., Zimonjić, D. (1988): Biologija i gajenje riba. Naučna knjigaBeograd.
2. Jevtić, J. (1989): Život slatkovodnih vrsta riba. Naučna knjiga Beograd.
3. Grginčević, M., Pujin, V. (1998): Hidrobiologija. Ekološki pokret grada Novog Sada.
4. Bojčić i sar. (1982): Slatkovodno ribarstvo. Ribozajednica Zagreb, Jugoslovenska medicinska naklada Zagreb.
5. Hristić, Dj., Bunjevac, I (1991): Gajenje slatkovodnih riba. Gradjevinska knjiga. Beograd.
6. Ćirković, M., Jovanović, B., Maletin, S. (2002): Ribarstvo. Univerzitet u Novom Sadu, Poljoprivredni fakultet.
7. Zaštita životne sredine pri intenzivnom gajenju riba. Univerzitet u Novom Sadu – Prirodno-matematički fakultet – Institut za biologiju i Ekološki pokret grada Novog Sada. Novi Sad, 1999.
8. Hidroakumulacije – multidisciplinarni pristup održivom razvoju.Monografija - urednici prof. dr Aleksandar Ivanc i mr Branko Miljanović. Prirodno-matematički fakultet Novi Sad, Ministarstvo za zaštitu prirodnih bogatstava i životne sredine,. Zavod za zaštitu zdravlja "Timok" Zaječar, JVP "Srbija vode", JVP "Vode Vojvodine". Novi Sad, 2003.
9 .The Freshwater Fishes of Europe. Aula Verlag. Wiesbaden.

All available papers from the given field that correlate to the interest of the PhD students.


| Number of active classes | Theory: 5 | Practice: 5 |
|---|---|---|

**Methodsofdeliveringlectures**

Theoretical classes: Oral presentation with the aid of modern techniques, active teaching
Field work

**Evaluation of knowledge (maximum number of points 100)**

Seminars 60 Oral exam 40