Course title: Applied ichthyology

Lecturers: Branko Miljanović, Desanka Kostić

Required/Elective Course: Elective Course

Number of ECTS: 15

Prerequisites: /

Course Objective:

The goal of the course is to enable students to get acquinted with the biology of fish which are used in fish populating and which are cultivated in our ponds; production of fish in rivers, lakes and accumulations; with the basics of aquaculture; intensification of fish production in fresh waters, fish populating; the role of ichtyofauna in preservation and promotion of the quality of hydroacumulations; making of managing plans.

Course Outcome:

Students will acquire necessary theoretical and practical knowledge for work in the discipline of fishing and related institutions.

Course Content:

Theoretical part

Biology of fish species which are used for fish populating and biology of the species which are cultivated in our ponds. Areas of our rivers; lakes; accumulation lakes; aquaculture; ponds; fishing usage of open waters. Production of fish in rivers, lakes, and accumulations. Intensification of fish production in fresh waters; fish populating. The role of ichthyofauna in preservation and promotion of the quality of hydroaccumulations. Making of managing plans.

Practical part

Field work.

Reading List:

1. Soldatović. B., Zimonjić, D. (1988): Biologija i gajenje riba. Naučna knjiga Beograd.
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. Djordjević, V., Ćirković, M., Janković, S. (1996): Mrest toplovodnih riba (pregled). Naučna dostignuća u stočarstvu. »95. Novi Sad.
8. Ćirković, M., Jovanović, B. Stojanović, Z. (1990): Proizvodnja mladunaca toplovodnih riba.Savetovanje ribnjačara Jugoslavije. Zvečevo; 90-95
9. 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.
10. 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.
11. Ćirković, M., Stajkov, J. (1997): Marketing u akvakulturi. Trakijski univerzitet . Stara Zagora, Bugarska.

Total hours:			10	
Lectures: 5	Practicals:	Other:	Student research work: 5	

Methods of instruction:

Theoretical classes: Oral presentations with the most up to date technology, active participation of students *Field work*
Assessment (maximum number of points 100)
Requirements Seminar papers: 60 Oral exam: 40