

Study Programme : PhD in Biology			
Degree level: Doctoral degree			
Course Title: APPLIED ICHTHYOLOGY			
Professor: Branko Miljanović, PhD; Desanka Kostić, PhD			
Required/Elective Course: Elective Course			
Number of ECTS: 15			
Prerequisites: /			
Course Objective: The goal of the course is to enable students to get acquainted 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 ichthyofauna in preservation and promotion of the quality of hydroaccumulations; 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: <i>Theoretical part</i> 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. <i>Practical part</i> 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:			
Lectures: 5	Practicals:	Other:	Student research work: 5
Methods of instruction: <i>Theoretical classes:</i> Oral presentations with the most up to date technology, active participation of students <i>Field work</i>			
Assessment (maximum number of points 100)			
Requirements			
Seminar papers: 60		Oral exam: 40	
Remark:			