University of Zagreb Faculty of Agriculture
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Procjena ribljeg stoka (246750)

Course coordinator

Prof. Tomislav Treer, PhD, Professor Emeritus

Course description

Cilj predmeta je upoznati studente s metodama koje se upotrebljavaju u ribarskim istraživanjima otvorenih voda.
Metodologija terenskog rada.
Metode procjene ribljih populacija.
Metodika određivanja rasta riba (povratno računanje, von Bertalanffyjeva i druge krivulje, ī1-10, Φ' i drugi parametri rasta)
Metode određivanja kondicionog stanja riba (CF, W=aLb, K)
Metode računanja novačenja riba
Metode računanja smrtnosti riba (ukupna, prirodna, ribolovna)
Temeljna ekologija riba
Uporaba fizikalnih, kemijskih i bioloških metoda istraživanja u ribarstvu.
Izrada ribolovno-gospodarskih osnova
"Case studies" suvremenih istraživanja otvorenih kopnenih voda i mora

ECTS: **4.00**

Teaching hours: 20
Lectures: 7
Laboratory exercises: 5
Seminar: 5

Grading

Sufficient (2):
Good (3):
Very good (4):
Excellent (5):

Associate teacher for exercises

- Tena Radočaj, PhD

Type of course

- Poslijediplomski studij / Sveučilišni specijalistički studij / Ribarstvo (Compulsory course, 1 semester, 1 year)

Types of instruction

- Predavanja
- Laboratorijske vježbe
- Seminari

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Obligatory literature

1. Treer T., Piria M. (2019): Osnove primijenjene ihtiologije. Sveučilište u Zagrebu Agronomski fakultet, 147 pp
2. Piria M., Simonovic P., Zanella D., Caleta M., Sprem N., Paunovic M., Tomljanovic T., Gavrilovic A., Pecina M., Spelic I., Matulic D., Rezic A., Anicic I., Safner R., Treer T. (2019): Long-term analysis of fish assemblage structure in the middle section of the Sava River - The impact of pollution, flood protection and dam construction. Science of the Total Environment, 651: 143-153
3. Treer T., Safner R., Aničić I., Lovrinov M. (1995): Ribarstvo. Globus, Zagreb, 464 pp

Recommended literature

1. Preporučena literatura Treer T., Kubatov I. (2017): The co-existence of recreational and artisanal fisheries in the central parts of the Danube and Sava rivers. Croatian Journal of Fisheries, 75: 116-127
2. Treer T., Babačić H. (2017): The relationship between condition and form factors of the Adriatic fishes in the Zadar area. Croatian Journal of Fisheries, 75: 170-174
3. Hilborn R., Walters C. J. (2001): Quantitative Fisheries Stock Assessment. Kluwer Academic Publishers, Boston, Dordrecht, London, 570 pp
4. Sparre, P., Venema S. C (1992): Introduction to tropical fish stock assessment. Part 1-Manual. FAO, Fish Tech. Pap., 306/1, 110 pp
5. Arrignon J. (1999): Management of Freshwater Fisheries. Science Publishers, Enfield, New Hampshire, 582 pp.
6. Quinn T. J., Deriso R. B. (1999): Quantitative Fish Dynamics. Oxford Univ. Press, New York, Oxford
7. Antonović I., Treer T. (2015): A review of freshwater ichthyofauna research published in the Croatian Journal of Fisheries since 1938. Croatian Journal of Fisheries, 73(4): 284-296

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