

Study Programme: Veterinary medicine		
Course Unit Title: Fish breeding disease		
Course Unit Code: 3DVM4I62		
Name of Lecturer(s): Assistant Professor Nikolina Novakov, Teaching assistant Bojana Vidović		
Type and Level of Studies: Doctoral studies		
Course Status (compulsory/elective): Elective		
Semester (winter/summer): Winter		
Language of instruction: English		
Mode of course unit delivery (face-to-face/distance learning): Face-to-face		
Number of ECTS Allocated: 8		
Prerequisites: None		
Course Aims: Mastering of the technique of examination, clinical diagnosis and therapeutic treatment of fish breeding diseases.		
Learning Outcomes: Students will have the necessary knowledge and skills in the diagnosis and prevention of fish breeding diseases.		
Syllabus:		
<i>Theory</i>		
Incidence of diseases, causes and distribution of diseases, epizootiological factors, sources and transmissions of the agent. Susceptibility to the disease, the impact of the environment on disease. Stress. Seasonal nature of the disease. Basic characteristics of disease states. Study of methods for the prevention of disease by applying sanitary and hygienic measures. Disinfection. Application of drugs. Immunoprophylaxis. Removing of sick and dead fish. European and Serbian regulations to prevent, combat and eradicate diseases of fish. The obligation of fishing and sanitation records. Methods for monitoring the health and performance of basic diagnostics. Diseases of viral, bacterial and parasitic etiology. Environmental and disease of unknown etiology. Technopathy. Enemies of fish as a limiting factor for good fisheries production.		
<i>Practice</i>		
Mistakes in choosing a fish pond location. Mistakes that can be made during the design of the pond. The significance of fish handling during harvesting, transportation, stocking and wintering on the occurrence of fish diseases. Methods of organizing health inspection and health monitoring. Diagnosis of diseases of fish in the pond. Identifying fish diseases according to fish behavior. Preventive and therapeutic measures.		
Required Reading:		
<ol style="list-style-type: none"> 1. Available scientific journals. 2. Fijan, N. Zaštita zdravlja riba. Poljoprivredni fakultet, Osijek, 2006. 3. Edward, J. N. Fish disease; Blackwell, 1996. 4. Ćirković, M. Et al: Ribarstvo. Poljoprivredni fakultet, Novi Sad, 2002. 		
Weekly Contact Hours: 120	Lectures: 60	Practical work: 60
Teaching Methods:		
The method of oral presentation and discussion, the method of written work (essay), practical work in the ponds and laboratory.		

Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation		written exam	30
Practical work		oral exam	40
Preliminary exam(s)		
Seminar(s)	30		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			