

## Practical in fish farming

Undersigned, .....Supervisor of the practical work, herewith declares that the practitioner duly performed the tasks assigned for the date

	<b>Tasks</b>	<b>Date</b>	<b>Signature</b>
1	Structure of the fishpond(s) and the fish farming enterprise. Aqua-systems, water protection and care. Pond and facility construction.		
2	Water sampling; packing and transport of water samples and transport of fishes to diagnostic laboratories.		
3	Sampling technology for notifiable diseases. Routine anatomical-pathological dissection of fishes.		
4	Examination of fishes for the presence of ectoparasites and dermal microbes.		
5	Microscopic examination of gill for presence of parasites, moulds and bacteria.		
6	Examination of the internal organ of fishes for recognising characteristic symptoms; sampling specimens for histological examination.		
7	Natural and artificial propagation, breeding through hypophysation, ripening of eggs, breed selection.		
8	Initial larval rearing, feeding; technological failures (if any).		
9	Displacement of larvae, population of ponds according to kind of ponds and fish breeds.		
10	Growing-finishing of market fish; environmental influences (effect of bird predators).		
11	Feeding technology in aquacultures, available feeds and emerging problems.		
12	Reasons of chemical examination of fish pond waters, frequency and distribution according to pond type in one breeding season.		
13	Examination of living plankton (determination of algae and low order animals).		
14	Most frequent medical treatment in fish farming: calcification, treatment with calcium hypochlorite etc.; reasons and practical implementation.		
15	Methods and equipment of harvest, preparation for fish transport, liabilities of state veterinary medicine at transportation and at sale.		
16	Reasons and methods of fish transport (sale at markets, relocation, export, breeding replacement, diagnostic procedures, etc.).		
17	Treatment and disposal of fish masses lost due to infectious diseases or environmental catastrophes.		

18	Methods and implementation of medical treatments against special fish diseases in different types of aquacultures. Reasons and practice of use of bath in medicated water.		
19	Diseases caused by ciliates and flagellates: seasonality, affected age groups and species.		
20	Diseases caused by Dactylogyrus sp.: seasonality, affected age groups and species.		
21	Connection between nature conservation and fish farming, effects on economy of fish production.		
22	Prevention of economic losses by rural conservation compatible methods.		
23	Economic evaluation of the fish production enterprise; criteria of sustainable production with regard to protection of the environment.		

Of the above practices the student should perform at least 70% and the activities should be testified by signature of the supervisor. Lesser performance forms stumbling block of acceptance.

Date and place of the practice

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Supervisor

Issued by the Department of Animal Hygiene,  
Herd-Health and Veterinary Ethology

Budapest, 17<sup>th</sup> of March 2020

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