

# PATHOLOGY OF FISH

1	Course Title:	PATHOLOGY OF FISH	
2	Course Code:	VSH 6004	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. MUSA ÖZGÜR ÖZYİĞİT	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:		
17	Website:		
18	Objective of the Course:	To inform about basic principles of important diseases and bacterial, viral, parasitic infections in fresh water and sea fishes	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Being informed about theoretical and practical part of infectious fish diseases
		2	Raising PhD students who are able to apply diagnostic techniques and diagnose mentioned diseases
		3	Raising PhD students who are informed about the etiology, pathogenesis of these diseases by means of these techniques
		4	Ability to define and report the lesions in the mentioned pathological conditions by means of these techniques.
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21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	Furunculosis	Demonstration of the related material or necropsy if available	

2	Ulcer Disease	Demonstration of the related material or necropsy if availabl		
3	Columnaris Disease	Demonstration of the related material or necropsy if availabl		
4	Peduncle Disease	Demonstration of the related material or necropsy if availabl		
5	Bacterial Gill Disease	Demonstration of the related material or necropsy if availabl		
6	Fin Rot	Demonstration of the related material or necropsy if availabl		
7	Vibriosis	Demonstration of the related material or necropsy if availabl		
8	Tuberculosis	Demonstration of the related material or necropsy if availabl		
9	Bacterial Hemorrhagic Septicemia	Demonstration of the related material or necropsy if availabl		
10	Bacterial Kidney Disease,	Demonstration of the related material or necropsy if availabl		
11	Epithelioma Papillosum (Fish Pox)	Demonstration of the related material or necropsy if availabl		
12	Viral hemorrhagic septicemia,	Demonstration of the related material or necropsy if availabl		
13	Stomatopapilloma Infectious Pancreatic Necrosis, Lymphocystis Disease	Demonstration of the related material or necropsy if availabl		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	fish (Saprolegniasis, Ichthyophoniasis, Branchiomyxosis, Streptomyxosis)	14	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		14	3.00	42.00
Homeworks		1	10.00	10.00
Projects		2	10.00	20.00
Field Studies		0	0.00	0.00
Midterm exams		0	0.00	0.00
Others		0	0.00	0.00
Final Exams		1	16.00	16.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Total Work Load				120.00
Midterm Exam		0	0.00	4.00
Total Work Load/ 30 hr				3.00
ECTS Credit of the Course				3.00
Home work-project		0	0.00	
Final Exam		1	100.00	
Total		1	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		0.00		
Contribution of Final Exam to Success Grade		100.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	5	3	4	2	5	1	2	2	3	1	0	0	0	0
ÖK2	5	3	5	2	1	1	5	1	1	1	2	1	0	0	0	0
ÖK3	5	5	5	4	2	1	5	1	1	2	2	1	0	0	0	0
ÖK4	5	4	4	4	3	3	2	4	2	1	0	1	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				