

PARASITES OF FISH

1	Course Title:	PARASITES OF FISH	
2	Course Code:	VPR 5012	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.50	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	none	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. VELİ YILGÖR ÇIRAK	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	vcirak@uludag.edu.tr	
17	Website:	http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php	
18	Objective of the Course:	Parasites and parasitic diseases of fish; treatment and prevention options of major parasitic diseases	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Collection and preservation techniques of various materials to diagnose parasitic diseases of fish
		2	Necropsy techniques in parasitic diseases
		3	Diagnose and preservation of parasites
		4	Treatment and prevention methods in parasitic diseases
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to parasitic diseases of fish		
2	Ichthyophthiriosis, Trypanosomiasis, Coccidiosis		
3	Infections caused by Myxozoa, Microspora and Amoebozoa		
4	Introduction to helminth infections		
5	Diseases caused by trematodes (Monogenea)		

6	Diseases caused by trematodes (Digenea)	
7	Diseases caused by cestodes	
8	Diseases caused by nematodes	
9	Anisakis simplex, Contracaecum, Porrocaecum species	
10	Camallanus , Hedruris Gnathostoma species	
11	Diseases caused by Acanthocephala	
12	Diseases caused by Arthropoda (Crustacea, Ergasilus, Lernea)	
13	Diseases caused by Arthropoda (Salmincola, Argulus)	
14	Diseases caused by Annelida	

22	Textbooks, References and/or Other Materials:	<ol style="list-style-type: none"> 1. Veterinaermedizinische Parasitologie (Boch, J., Supperer, R. 2006, Berlin und Hamburg) 2. Mehlhorn, H. 2001. Encyclopedic Reference of Parasitology. Springer-Verlag Berlin Heidelberg 3. Balık Hastalıkları- M.Arda, S.Seçer, M.Sarıeyyüboğlu. Medisan Yayın No:56; Ankara-2002 4. Parasitic Diseases of Fish – A.W.Pike, J.W.Lewis. Samara Publishing Lmt. 1994
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
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Activites	Number	Duration (hour)	Total Work Load (hour)
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Theoretical	1	14	1.00	14.00
Final Exam				

Practicals/Labs	0	0.00	0.00
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Homeworks	2	5.00	10.00
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Projects	Contribution of Final Exam to Success Grade	100.00	0.00	0.00
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Field Studies	0	0.00	0.00
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Midterm exams	0	0.00	0.00
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Others	0	0.00	0.00
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Final Exams	1	15.00	15.00
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Total Work Load			69.00
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Total work load/ 30 hr			2.30
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ECTS Credit of the Course			2.50
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	3	3	1	3	1	2	1	1	2	2	0	0	0	0
ÖK2	5	4	3	2	1	2	2	1	1	1	2	2	0	0	0	0
ÖK3	4	1	5	4	3	2	3	3	2	1	2	2	0	0	0	0
ÖK4	5	2	2	1	4	1	5	4	2	3	2	3	0	0	0	0

LO: Learning Objectives **PQ: Program Qualifications**

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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