FISH PARASITOLOGY									
1	Course Title:	FISH PA	RASITOLOGY						
2	Course Code:	BIO 5511							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
5	Year of Study:	1							
6	Semester:	1	1						
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
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.	F.NACI ALTUNEL						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Prof. Dr. F. Naci ALTUNEL altunel@uludag.edu.tr 0224 2941784 Uludağ Üniversitesi, Fen – Edebiyat Fakültesi, Biyoloji Bölümü, 16059, Nilüfer-Bursa							
17	Website:								
18	Objective of the Course:	It is aimed that the important helminth, protozoon and Arthropod species of fishes, the infection of diseases originated these species, the diagnosis, the protection and the importance in terms of public health.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	They have knowledge of parasitism, ectoparasite and endoparasite concepts.						
		2	They have knowledge about life style of parasites and their intermediate hosts, methods which are used identification.						
		3	They know formation mechanism of illnesses by parasite on fishes.						
		4	They have knowledge of methods which are used parasite identification (ecto and endo methods).						
		5	They have knowledge of important ecto and endo fish parasites, identification parasitic disease and disease diagnosis, treatment and the protection.						
		6	They learn identification of some protozoon parasite species on fishes with parasitic characteristics, the diagnosis, the protection and the importance in terms of human health.						
		7	They learn identification of some Helminth parasite species on fishes with parasitic characteristics, the diagnosis, the protection and the importance in terms of human health.						
		8	They learn identification of some Arthropod parasite species on fishes with parasitic characteristics, the diagnosis, the protection and the importance in terms of human health.						

	They have knowledge about life style of parasites and the effects on fishes.							
		10	They have knowledge about the parasites which have medical importance.					
21	Course Content:							
		Co	urse Content:					
Week	Theoretical		Practice					
1	The students learn style of the course programme. The students are iluminated about final exam.							
2	Explaining the parasitism, ectoparasi endoparasite concepts.	te and						
3	Life styles of parasites and their inter hosts, methods which are used ident							
4	Effects of parasites on fihes, mechan illnesses by parasite on fishes, methowhich are used.							
5	Explaining the methods which are us parasite identification (ecto and endomethods).							
6	Explaining the important ecto and en parasites.	do						
7	Explaining the some protozoon paras species on fishes with parasitic characteristics, the diagnosis, the product the importance in terms of huma	otection						
Activit	es		Number	Duration (hour)	Total Work Load (hour)			
Theore	and the importance in terms of numa		14	3.00	42.00			
Practica	Explaining the some parasite species		0	0.00	0.00			
Self stu	with parasitic sharacteristics, the diag	gnosis,	14	4.00	56.00			
Homew		terms of	5	16.00	80.00			
Pr <b>to@</b> ect	Explaining the some parasite species	 S	3	10.00	30.00			
Field S	<u>lii - 7, ii 14, ai - a</u>		0	0.00	0.00			
Midtern	decamosis, the protection and the imp	ortance	0	0.00	0.00			
Others	le constant		0	0.00	0.00			
Final E	Self-nging to phylum Arthropoda on t	fichos	1	32.00	32.00			
I I OTAL W	AULK I USU	1151162			240.00			
Total w	भार हारा है। सि	<del>torrio or</del>	Π		8.00			
	Credit of the Course				6.00			
2010	on tishes.				0.00			
13	The medically important parasites.							
14	Explaining the protection and the treafish parasites.	atment of						
22	Textbooks, References and/or Other Materials:	imal Parasites Thei lications, Inc., New ncepts in Zoology. I F. P., 1974. T. F. H evski G. K. And Poly Fishes. T. F. H. Pub ases of Fishes. T. F	York. Harper Collins I. Publications, vanski Yu. blications,					

23 Assesment	Assesment							
TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT						
Midterm Exam	0	0.00						
Quiz	0	0.00						
Home work-project	0	0.00						
Final Exam	1	100.00						
Total	1	100.00						
Contribution of Term (Year) Learning Activ Success Grade	rities to	0.00						
Contribution of Final Exam to Success Gra	nde	100.00						
Total		100.00						
Measurement and Evaluation Techniques Course	Used in the							
24 ECTS / WORK LOAD TABL	E							

25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMM QUALIFICATIONS							ME								
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	4	1	4	5	3	5	4	5	3	0	0	0	0	0	0	0
ÖK2	3	2	4	5	3	5	4	5	4	0	0	0	0	0	0	0
ÖK3	5	1	4	5	2	5	4	4	3	0	0	0	0	0	0	0
ÖK4	4	3	5	5	3	4	4	4	4	0	0	0	0	0	0	0
ÖK5	5	1	5	5	3	5	4	4	3	0	0	0	0	0	0	0
ÖK6	5	2	5	5	3	5	4	5	5	0	0	0	0	0	0	0
ÖK7	4	3	4	5	3	5	4	5	5	0	0	0	0	0	0	0
ÖK8	5	3	4	5	3	4	4	5	4	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			LO: L	earr	ning (	Objec	tive	s F	Q: P	rogra	ım Qu	alifica	tions	5	1	<u>I</u>
Contrib 1 very low 2 low ution			3 Medium			4 High			5 Very High							

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