ECOLOGY OF PARASITISM									
1	Course Title:	ECOLO	GY OF PARASITISM						
2	Course Code:	BIO6504	1						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
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:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. Hikmet Sami Yıldırımhan							
15	Course Lecturers:	-							
16	Contact information of the Course Coordinator:	Prof. Dr. Hikmet Sami YILDIRIMHAN yhikmet@uludag.edu.tr 0224 2941790 Uludağ Üniversitesi, Fen – Edebiyat Fakültesi, Biyoloji Bölümü, 16059, Nilüfer-Bursa							
17	Website:								
18	Objective of the Course:	General characteristics, ecology and parasitic effects of Rhizopoda, Flagellata, Ciliata, Cnidosporidia and Sporozoa. Morphology, ecology and effects on host in Acanthocephala, Annelida and Arthropoda groups. Characteristics of parasite vertebrata animals and effects on host. It has aimed to give relationship among parasite species.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	The students know description of ecology and connection with other sciences.						
		2	They comprehend relationship between ecological factors and parasites.						
		3	They have knowledge of interspecies and intraspecies relationships.						
		4	They learn species-environment correlation which is important ecological cycle.						
		5	They comprehend identification of several species of subphylum: Protozoa, their morphologic, systematic and parasitic characteristics.						
		6	They comprehend identification of several species of subphylum: Metazoa, their morphologic, systematic and parasitic characteristics.						
		7	They descripe relationships between parasite and host.						
		8	They descripe effects of parasite on host.						
		9	They classify parasite species to life styles.						
		10	They comprehend evolutionary aspect of parasitism.						
21	Course Content:								

	Course Content:											
Week	Theoretical	Practice										
1	Description and history of Ecology, groups of ecology, correlation of ecology with other sciences, some basic concepts in ecology.											
2	Parasitism, ectoparasite and endoparasite concepts.											
3	Life styles of parasites and their intermediate hosts. Methods which are used parasite identification.											
4	Classification, general characteristics, morphology, life cycles, ecology and parasitic effects of Phylum:Flagellata, classification of Phylum:Rhizopoda. Parasitic effects, life cycle and medical importance of Entamoeba histoloytica from Rhizopoda											
5	Classification, general characteristics, morphology, life cycles, ecology of Phylum:Ciliata, classification of Phylum:Rhizopoda. Parasitic effects and life cycle of Balantidium coli.											
6	General characteristics, morphology, life cycles, ecology and parasitic effects of Phylum:Sporozoa, classification of Phylum:Sporozoa. Parasitic effects and life cycle of Toxoplasma gondii. Parasitic effects, life cycles and medical importance of											
Activit	es	Number	Duration (hour)	Total Work Load (hour)								
Theore	Manogenea. Parasitic effects and life cycles	14	3.00	42.00								
Practica	als/Labs	0	0.00	0.00								
Se g stu	Geandap reparentienstics and morphology of	14	4.00	56.00								
Homew	vorks	5	16.00	80.00								
Project	Bucephalus sp., Deroprisris sp from Digenea.	0	0.00	0.00								
Field S	tudies	0	0.00	0.00								
Midtern	CaryOphilaeus sp. , Bothriocephalus sp. from	0	0.00	0.00								
Others		0	0.00	0.00								
Final E	General characteristics and classification of Phylum: Nemathelminthes, Parasitism and	1	32.00	32.00								
Total W	/ork Load			210.00								
Total w	ork 1030/30 Br			7 00								
ECTS (Credit of the Course			6.00								
12	General characteristics and classification of Phylum: Acanthocephala. Parasitism and life cycles of Acanthocephalus sp. and Neoechinorhynchus sp											
13	Morphology, ecology and effects on host organisms of Phylum: Annelida.											
14	Morphology, ecology and effects on host organisms of Phylum: Arthropoda.											

22	Textb Mate	ktbooks, References and/or Other terials:								 Combes, C. Parasitisim. The Ecology and Evolution of Intimate Interactions. 2001. The University of Chicago Press. Chicago and London. Barnard C. J., Behnke J. M. (1990) Parasitism and host behaviour. Taylor & Francis.London Olsen W. O., Animal Parasites, Their Life Cycles and Ecology.1974. Dover Publications, Inc., New York. 								
23	Asse	sme	ent															
TERM L	RM LEARNING ACTIVITIES NUMBE								E WI	WEIGHT								
Midterm Exam 0							0.0	0.00										
Quiz 0							0.0	0.00										
Home work-project 0							0.0	0.00										
Final Ex	Final Exam 1							10	00.00									
Total	Total 1							10	00.00									
Contribution of Term (Year) Learning Activities to Success Grade						0.0	0.00											
Contrib	ution	of F	inal E	xam to	o Suco	cess G	rade		10	100.00								
Total							10	100.00										
Measurement and Evaluation Techniques Used in the Course							ie											
24	ECT	'S /	WO	RK L	OAD	TAB	LE											
25				CON	TRIE	BUTIO	N O	F LE.	ARN QUA	LIFIC		COME NS	S TO I	PROG	GRAMI	ME		
	P	2Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	4	ŀ	1	4	5	3	0	4	5	3	4	0	5	0	0	0	0	
ÖK2	0)	2	4	5	0	0	4	5	4	4	0	5	0	0	0	0	
ÖK3	0)	1	4	5	2	5	0	0	3	5	5	5	0	0	0	0	
ÖK4	4	ŀ	3	0	5	0	4	0	4	4	5	5	5	0	0	0	0	
ÖK5	0)	1	5	5	3	5	4	4	3	4	5	5	0	0	0	0	
ÖK6	5	5	2	0	5	0	5	0	5	5	5	0	0	0	0	0	0	
ÖK7	0)	0	4	5	0	5	4	5	5	5	0	0	0	0	0	0	
ÖK8	5	5	3	0	5	3	4	4	5	0	5	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	
	<u> </u>			LO: L	.earr	ning C)bje	ctive	s F	PQ: P	rogra	ım Qu	alifica	tions	5			
Contrib 1 very low ution Level:			2 low 3 Me			Med	edium 4 High			5 Very High								