HOST-PARASITE INTERECTIONS

1	Course Title:	HOST-PARASITE INTERECTIONS
2	Course Code:	BIO6501
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	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:	-
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:	Platyhelminthes (flatworm), Nemathelmithes (roundworms), Aconthocephala. Host-parasite interactions, life cycles, ecology, reproduction strategy, infections. Also, the biology of hirudo (Annelida) and Nematomorpha.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	The students have knowledge of symbiosis and commensalizm
	2	They have knowledge of parasitism, ectoparasite and endoparasite concepts.
	3	They have knowledge about life style of parasites and their intermediate hosts, methods which are used identification.
	4	They know formation mechanism of illnesses by parasite.
	5	They know endo-extotoxines by parasite.
	6	They know transmission ways of infections.
	7	They have knowledge of helminthes.
	8	They descripe the interactions between parasite and host.
	9	They discuss evolutionary effects of parasitism.
	10	

21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The students learn style of the course programme. The students are iluminated about final exams.	

2	Symbiotic life styles in organisms are explained.	
3	It is given knowledge about parasitism, ectoparasite and endoparasite concepts.	
4	Life styles of parasites and their intermediate hosts, methods which are used identification.	
5	The interactions between host and parasite	
6	Formation mechanism of infectious ilnesses, factors belong to agents, pathogenity, virulance factors -1, virulance factors -2, ecto and endo toxines, transmission ways of infection, 3- factors belong to host, 4- active immunization 5- inactive immunization.	
7	Individual and evolutive effects of parasitism.	
8	General characteristics of Phylum: Platyhelminthes, classification. General characteristics and morphology of Classis: Monogenea. Parasitic effects and life cycles of Dactylogyrus sp., Gyrodactylus sp., Diplozoon sp. Microcotyle sp. belong Monogenea.	
9	General characteristics and morphology of Classis:Digenea. Parasitism and life cycles of Fasciola hepatica, Distomum lanceolatum, Bucephalus sp. Deroprisris sp. General characteristics and morphology of Classis: Cestoda. Parasitism and life cycles of	
11	General characteristics and classification of	
12	Phylum: Acanthocephala. Parasitism and life cycles of Acanthocephalus sp. and	
13	Biology of Hirudo (Annelida)	
22	Textbooks, References and/or Other	1-Tınar R., Umur S., Kürüoğlu F., Güçlü F., Avaz E., Senlik Yayın Dağıtım, Ankara. 2- Göcmen, B. 2000. Genel Parazitoloji. Ege Üniversitesi, 3- Barnard C. J. , Behnke J. M. (1990) Parasitism and host behaviour. Taylor & Francis.London 4- Olsen W. O., Animal Parasites, Their Life Cycles and Ecology.1974. Dover Publications, Inc., New York.
23	Assesment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	5	16.00	80.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm Exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	32.00	32.00
Total Work Load			210.00
Total work load/ 30 hr			7.00
ECTS Credit of the Course			6.00

TERM LEARNING ACTIVITIES	NUMBER	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 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	4	1	4	5	3	5	4	5	3	4	5	5	0	0	0	0
ÖK2	3	2	4	5	3	5	4	5	4	4	5	5	0	0	0	0
ÖK3	5	1	4	5	2	5	4	4	3	5	5	5	0	0	0	0
ÖK4	4	3	5	5	3	4	4	4	4	5	5	5	0	0	0	0
ÖK5	5	1	5	5	3	5	4	4	3	4	5	5	0	0	0	0
ÖK6	5	2	5	5	3	5	4	5	5	5	5	5	0	0	0	0
ÖK7	4	3	4	5	3	5	4	5	5	5	5	5	0	0	0	0
ÖK8	5	3	4	5	3	4	4	5	4	5	5	5	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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