

TECHNIGUES IN EXPERIMENTAL PARASITOLOGY

1	Course Title:	TECHNIGUES IN EXPERIMENTAL PARASITOLOGY
2	Course Code:	BIO5504
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
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:	It has been aimed to teach how and which methods use description every group parasite to the students who will do studies on parasitology field.
19	Contribution of the Course to Professional Development:	In health institutions and research laboratories, information about the diagnosis of parasites and the development of related diseases is learned.
20	Learning Outcomes:	
	1	The students get knowledge of parasite identification
	2	The students get knowledge of parasite identification They get knowledge of methods which are used parasite identification.
	3	They get knowledge of specific determination methods of parasite species belong to different groups.
	4	They comprehend identification of parasite in Regnum: Protozoa, their morphologic, systematic, parasitic characteristics.
	5	They comprehend identification of parasite in Regnum: Metazoa, their morphologic, systematic, parasitic characteristics.
	6	They describe correlations between parasite and host.
	7	They describe parasitic effects on host.
	8	They classify parasite species to their life styles.
	9	They describe basic complement of parasitology.
	10	They classify parasites which have medical importance.
21	Course Content:	
	Course Content:	

Week	Theoretical	Practice		
1	Using macroscope in parasitologic examination, its calibration and measuring.			
2	Major identification methods which are used helminth illnesses. Feces examination, getting feces samples, their preservation, sending labarotory and macroscopic investigation.			
3	Microscobis examination methods: basic, enriching and flotation methods.			
4	Egg counting method in feces.			
5	Sedimentation methods.			
6	Searching lung nematod larvae and methods.			
7	Feces culture methods.			
8	Examination of puke, pituitary, nasal flow and ürine, eye and skin.			
9	Blood examination: getting blood, collecting serum samples, searching microfilaria in blood, basic method, Buffy coat method, method of Modify Knott, microfiltration method, acid-phosphatase method			
10	Serologic and molecular biology methods.			
11	Necropsy, rules which have to obey during necropsy, examination of organs.			
12	Fixation and preservation of helminthes collected during necropsy.			
Activites		Number	Duration (hour)	Total Work Load (hour)
22	Theoretical Textbooks, References and/or Other	14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		24	6.00	84.00
Homeworks		5	6.00	30.00
Projects		1	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	0.00	0.00
Others		0	0.00	0.00
Final Exams		1	30.00	30.00
Total Work Load				186.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	6.20
Total work load/ 30 m				6.00
ECTS Credit of the Course				6.00
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		The writing examination		
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
ÖK10	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			