

PROTOZOOLOGY

1	Course Title:	PROTOZOOLOGY
2	Course Code:	VET3028
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	English
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ŞEVKI ZIYA COŞKUN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	
17	Website:	
18	Objective of the Course:	To teach diagnosis, treatment, control and prevention techniques of the protozoon infections of human, cattle, sheep, goat, dog, cat, pig and poultry.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	How to identify protozoon species
	2	Diagnostic techniques and differential diagnosis of the protozoon infections
	3	Evaluation of the prognosis and prescription patterns to treat the protozoon infections
	4	How protozoon infections can be taken under control
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Morphology, physiology and taxonomy of protozoon parasites	VCD of reproduction and movement in protozoans
2	Entamoeba, Naegleria and Acanthamoeba infections	Examination of Entamoeba in human faeces
3	Giardia, Hexamita and Histomonas infections	Examination of Giardia in human and dog faeces
4	Trichomonidida infections	Inspection of Trichomonas foetus slides and examination of T. gallinae from an infected pigeon, if possible

5	Leishmaniosis	Inspection of Leishmaniosis slides
6	Trypanasomiasis	Inspection of Trypanasomiasis slides and its examination in cattle blood
7	Eimeriosis	Inspection of Eimeriosis and examination in poultry, rabbit and cattle faeces; VCD of Eimeria tenella's evolution in cell culture
8	Isosporiosis	Examination of Isospora in dog and cat faeces
9	Sarcocystiosis	Examination of Sarcocystis in sheep meat and criteria used in decision for human consumption
10	Toxoplasmosis, Neosporiosis	Inspection of Toxoplasma slides and its diagnose on a positive case via IFAT
11	Cryptosporidium, Besnoitia, Hammondia and Hepatozoon infections	Examination of Cryptosporidium in calve faeces
12	Theileriosis	Examination of Theileriosis in cattle blood and inspection of slides
13	Babesiosis	Examination of Babesiosis in sheep blood and inspection of slides
14	Plasmodium, Leucocytozoon and Haemoproteus infections	Examination of Haemoproteus from pigeon blood

22	Textbooks, References and/or Other Materials:	1. Tüzer E, Toparlak M. Veteriner Protozooloji. İstanbul Üniversitesi Ders Notları, 2000 2. Mehlhorn H. Encyclopedic Reference of Parasitology, Springer Verlag, 2001 3. Urquhart Gm, Armour J, Duncan JI, Dunn Am, Jennings Fw. Veterinary Parasitology, Blackwell Science, Oxford, 2002
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		3	6.00	18.00
Homeworks		3	6.00	18.00
Project Exam	1	4.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		0	1.00	1.00
Others		0	0.00	0.00
Final Exams	2	1.00	1.00	1.00
Total				94.00
Total Work Load/ 30 hr				3.13
ECTS Credit of the Course				3.00

Total	100.00
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Measurement and Evaluation Techniques Used in the Course	
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24	ECTS / WORK LOAD TABLE
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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	1	0	5	1	4	4	4	4	4	3	4	4	5	3	4	4
ÖK2	3	4	5	5	5	3	4	5	4	5	5	5	5	4	5	5

ÖK3	4	4	5	5	5	5	4	5	5	5	5	5	5	5	5	5
ÖK4	2	2	1	2	5	3	3	2	5	5	5	5	5	5	5	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							