AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Drugs of the Chemotherapy, II (Anthelmintic and Antiprotozoan Drugs)								
Course Code	VFT527		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	150 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The purpose of this course, anthelmintic treatment, broad and narrow-spectrum anthelmintic drugs and to provide information about drugs that are effective against protozoan parasites.								
Course Content	Anthelmintic treatment history and anthelmintic treatment, broad and narrow-spectrum anthelmintic drugs, drug resistance, trematodes, cestodes and nematodes are effective against drugs and their pharmacology and the use of drugs that are effective against protozoan parasites classification and the use of drugs and the pharmacology of the individual.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Prof. Ferda AKAR								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.
2	Modern Pharmacology, 6th Edition, Lippincott Williams and Wilkins, 2004 (Ed. C.R. Craig and R.E. Stitzel)
3	Basic and Clinical Pharmacology, 9th Edition, McGraw-Hill, New York, 2004 (Ed. B. Katzung)
4	Goodman and Gilman's The Pharmacological Basis of Therapeutics 11th Edition, McGraw-Hill, 2006 (Eds. Brunton, Lazo, Parker, Buxton and Blumenthal)
5	Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe)
6	The Veterinary Formulary edited by Yolande Bishop. London Pharmaceutical Press in association with the British Veterinary Association 2001.
7	Pharmacology. Franklin A. Ahrens. Baltimore, Md. London Williams & Wilkins 1996.
8	The physiological basis of veterinary clinical pharmacology J. Desmond Baggot. Oxford Blackwell Science 2001.

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition and history of anthelmintic treatment
2	Theoretical	Anthelmintic efficacy testing and classification of anthelmintic drugs
3	Theoretical	Anthelmintics resistance
4	Theoretical	Anthelmintics mechanisms
5	Theoretical	Anthelmintics ways to use
6	Theoretical	Drugs used against trematode-1
7	Theoretical	Drugs used against trematode-2
8	Intermediate Exam	Mid-term exam
9	Theoretical	Drugs used against CestodS
10	Theoretical	The drugs used against nematodes-1
11	Theoretical	The drugs used against nematodes-2
12	Theoretical	The drugs used against nematodes-3
13	Theoretical	The classification of drugs that are effective against protozoan parasites
14	Theoretical	Pharmacology of the drugs used against protozoan parasites and their uses
15	Theoretical	discussion
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	7	2	126

Midterm Examination	1	10	2	12
Final Examination	1	10	2	12
			Total Workload (Hours)	150
			[Total Workload (Hours) / 25*] = **ECTS**	6
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Anthelmintic treatment to have information about the history and definition of
2	Geniş and narrow-spectrum anthelmintic resistance Anthelmintics and their mechanisms of learning and To be informed about
3	Trematod, which is effective against cestodes and nematodes have knowledge about the use of drugs and their pharmacology and
4	The classification of drugs that are effective against protozoan parasites and the use of drugs and the pharmacology of the individual To be informed about
5	To learn knowledge and propose suggestions on the area

Programme Outcomes *(Veterinary Pharmacology and Toxicology Master's Without Thesis)*	
1	to be able to comprehend expert knowledge on field of pharmacology and toxicology in veterinary medicine
2	to be able to define expert knowledge on interdisciplinary interaction in pharmacology and toxicology
3	to be able to formulate ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education.
4	to be able to integrate and interpret information in the area of pharmacology and toxicology with information in different fields and, if the need arises, provides scientific information and solutions to solve problems.
5	to be able to develop and use strategies in his/her field of expertise in Master’s Program of Pharmacology and Toxicology
6	to be able to comprehend methods of obtained and submitted scientific knowledge
7	to be able to analyse current information related to his/her field of expertise (scientific information, procedures etc.) and use them when necessary
8	to be able to apply technological tools in social relationships of vocational and professional environment.
9	to be able to review, evaluate and interpret any data (field observations, available scientific information etc.) towards a specific purpose.
10	to be able to comprehend expert knowledge on the function and basic pharmacological features of pharmacology and sub-branches of science, relationship between the drug and poison, pharmacokinetic, effects of the drugs, the dose-intensity and dose-effect relationship
11	to be able to identify expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.
12	to be able to define and use laboratory equipment in a pharmacology and toxicology laboratory.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	4	4	4	4	
P2	3	3		4	
P3	3	3		4	5
P4					4
P5	5	5			
P9					5
P10	5	5	5	5	