AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Pharmacokinetics of Intramammar Drugs and Their Use in Mastitis								
Course Code	VFT548		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	54 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course	To learn the drugs used in mastitis, evaluation of mastitis drugs, selection of drugs in mastitis and therapy choices in mastitis..								
Course Content	Drugs used in mastitis and their pharmacokinetics, evaluation of mastitis drugs, pharmacokinetics of intramammar drugs, selection of drugs in mastitis and therapy are examined								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Adams H.R. (1995). VeterinaryPharmacologyandTherapeutics, Iowa UniversityPress
2	Kaya S. (2007). Kaya S, editor. Veteriner Farmakoloji. 4 ed. Ankara: Medisan Yayınevi.
3	2.Toutain P-L, Ferran A, Bousquet-Mélou A. (2010). SpeciesDifferences in PharmacokineticsandPharmacodynamics. ComparativeandVeterinaryPharmacology. In: Cunningham F, Elliott J, Lees P, editors: Springer Berlin Heidelberg.
4	3.Andrews AH.(2004). BovineMedicineandHusbandry of Cattle. Oxford: BlackwellScience, 2004:1035-44.
5	Kandur R. (2008) Türk Vademecum, Veteriner İlaç Rehberi, Cansız Hayal Kitabevi, İstanbul.
6	Andrews AH.(2004). BovineMedicineandHusbandry of Cattle. Oxford: BlackwellScience, 2004:1035-44.

Week	Weekly Detailed Course Contents	
1	Theoretical	Mastitis
2	Theoretical	Mastitis
	Practice	Theanatomyandphysiology of themammarygland
3	Theoretical	Mastitis
	Practice	Microorganism of themastitis
4	Theoretical	Mastitis
	Practice	General therapyguidelines in mastitis
5	Theoretical	Mastitis
	Practice	Specificationsrequirement of themastitisdrugs
6	Theoretical	Mastitis
	Practice	Pharmacokinetics of thedrugs at themammarygland
7	Practice	Midterm exam
	Intermediate Exam	Midterm exam
8	Theoretical	Mastitis
	Practice	Therapy of thelactationalcyclemastitis
9	Theoretical	Mastitis
	Practice	Therapy of thedrycyclemastitis
10	Theoretical	Mastitis
	Practice	Drugusage at acutemastitis
11	Theoretical	Mastitis
	Practice	Drugusage at subacutemastitis
12	Theoretical	Mastitis
	Practice	Supportivetherapy at mastitis
13	Theoretical	Mastitis

13	Practice	Elimination of dugsfrommammarygland
14	Theoretical	Mastitis
	Practice	Preventivemeasures in mastitis
15	Theoretical	Discussion
	Practice	Generallyassessment
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	12	1	1	24
Lecture - Practice	10	1	1	20
Midterm Examination	1	1	4	5
Final Examination	1	1	4	5
			Total Workload (Hours)	54
			[Total Workload (Hours) / 25*] = **ECTS**	2

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Aetiology of mastitis
2	Drugsused at dryandlactationcycles
3	Preventivemastitisapplications inanimals
4	To find out and use resources about the profession in the area.
5	To give lectures and/or presentations and discuss with professionals in 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	5	5	4		
P2	4	4	4		
P3	5	3	4		5
P4	3	4	4		4
P5	4	4	4		5
P6	4	4	4	5	5
P7	5	5	4	4	
P8	2	2	3		4
P9	3	4	3	5	5
P10	5	5	5		

P11	4	3	3		
P12	4	5	5		