



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Use of Drugs in Birds and Their Applications							
Course Code		VFT665		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		To be informed about he drugs used in caged birds, routes of administration, bacterial, viral, parasitic, fungal diseases and the treatment of eating disorders and treatment of the effects of these drugs, domain shapes, degrees of clinical use, application forms.							
Course Content		Drug application methods, mold, parasitic, bacterial, viral diseases and therapy, anesthetics, subjects 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	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.

Week	Weekly Detailed Course Contents	
1	Theoretical	Properties of cage birds
	Practice	Introduction of cage birds
2	Theoretical	Care and feeding caged birds
	Practice	Examination of birds breeding cage
3	Theoretical	Common diseases of cage birds
	Practice	Bird cage and its importance, the factors to be considered
4	Theoretical	Treatment of bacterial diseases of cage birds
	Practice	Cage birds, drug use disorders
5	Theoretical	Treatment of viral diseases of cage birds
	Practice	Cage birds, drug use disorders
6	Theoretical	Cage birds, and the treatment of fungal diseases
	Practice	Cage birds, drug use disorders
7	Theoretical	Caged birds, and treatment of metabolic diseases
	Practice	Cage birds, drug use disorders
8	Practice	Water analysis and drug application, the factors to be considered
	Intermediate Exam	Midterm exam
9	Theoretical	Caged birds, and treatment of poisoning
	Practice	Blood taken for analysis
10	Theoretical	Treatment of neoplastic diseases of cage birds
	Practice	Blood and stool analysis
11	Theoretical	Bird cage and treatment of skin diseases



11	Practice	Parenteral drug administration route
12	Theoretical	Treatment of parasitic diseases of cage birds
	Practice	Parenteral drug administration route
13	Theoretical	Treatment of parasitic diseases of cage birds
	Practice	Drug administration via the enteral route
14	Theoretical	Cage bird conservation
	Practice	Drug administration via the enteral route
15	Theoretical	Article discussion
	Practice	Article discussion
16	Final Exam	FINAL

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	1	42
Lecture - Practice	15	3	2	75
Laboratory	2	4	1	10
Midterm Examination	1	9	2	11
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	Learn about the basic concepts of drug use in caged birds.
2	Learn about practices of drug use in cage birds.
3	To learn knowledge and propose suggestions on the area
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 (Pharmacology and Toxicology (Veterinary Medicine) Doctorate)

1	Gains expert knowledge on field of pharmacology and toxicology in veterinary medicine and, gains expert knowledge on interdisciplinary interaction in pharmacology and toxicology
2	To be equipped with the knowledge to develop original ideas about necessary issues in the field by using of both graduate and expertise levels knowledge, to be able to develop original definitions, products and diagnostic procedures, etc. via deepening and questioning these knowledge.
3	Develops and uses strategies in his/her field of expertise in PhD Program of Pharmacology and Toxicology
4	Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose.
5	Gains 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.
6	Gains expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.
7	Can offer training to technical staff who will work in pharmacology and toxicology laboratory
8	Reach to competence to prepare courses at the undergraduate level
9	Determines and uses laboratory equipment and consumables in a pharmacology and toxicology laboratory.
10	To be able to plan an interdisciplinary project and build team for the known or new defined problems and to manage and complete such a project when necessary.
11	To share his/her knowledge in the field with others by attending at field-related or other congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions, etc., and to contribute to the solution in the team by establishing relations with the experts in different fields.
12	To contribute the scientific knowledge in the field via publications in national and international peer-reviewed scientific journals.
13	Takes roles in vocational organizations and institution.
14	Forms ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education.
15	To adopt lifelong learning as a principle and acknowledge that the information gained through research is the most valuable gain.
16	Knows and protects rights of ideas and industrial property (patent right)



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			
P2				5	
P3	5	5	4	5	
P4			4		
P5	4	4			
P8	4				4
P11			5		4
P12				4	
P13		5			
P14			5		5

