



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pharmacology and Toxicology							
Course Code		LVS116		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To educate qualified students about pharmacodynamics and pharmacokinetics of drugs used in animals							
Course Content		Introduction to pharmacology and scope of pharmacology, Drugs affecting central and autonomic nervous system, Cardio vascular drugs, Drugs acting on the blood and blood forming organs, the general principles of liquid-electrolyte and acid-base balance, expectorants, antitussive agents, and bronchodilators, chemotherapeutics. Poison types, effects of poisons and interactions, dose- concentration-effect relations and toxicity, toxicokinetic, metals, organic and inorganic poisons, toxic plants , pesticides, mycotoxins.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study					
Name of Lecturer(s)		Ins. Tayfun ŞAHİN							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Basic Veterinary Pharmacology and Toxicology
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Week	Weekly Detailed Course Contents	
1	Theoretical	Sources of drugs and properties, biotransformation of drugs, drug interactions, adverse and toxic effects, drug dosages and administrations
2	Theoretical	Pharmacokinetics and pharmacodynamics
3	Theoretical	Drugs act on the nervous system
4	Theoretical	Introduction to endocrine pharmacology
5	Theoretical	Drugs act on the respiratory, digestive and cardiovascular system
6	Theoretical	Chemotherapeutics
7	Theoretical	Drug residues in animal originated foods, licensing of drugs, distribution, sale and control of drugs
8	Theoretical	Midterm Exam
9	Intermediate Exam	Midterm Exam
10	Theoretical	Introduction to general toxicology
11	Theoretical	Herbal substances and minerals
12	Theoretical	Mycotoxins and doping
13	Theoretical	Pesticides
14	Theoretical	Environmental toxicology
15	Theoretical	General Assessment
16	Final Exam	Final Exam
17	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	0	2	26
Individual Work	13	2	0	26
Midterm Examination	1	10	1	11



Final Examination	1	12	1	13
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Scope of pharmacology and pharmacological terms ;
2	Sources of drugs and general properties;
3	Drug absorption, distribution, metabolism and excretion;
4	Dosage and drug administration routes;
5	Mechanism of drug action ;
6	Drug interactions, adverse and toxic effects;
7	Poisons and properties of poisons, types of toxicities and toxicokinetics;
8	General causes of poisonings, taking and sending samples in poisonings, diagnosis and general therapy methods;

### Programme Outcomes (Laboratory and Veterinary Sciences)

1	To be able to understand and use , where information about Veterinary Technician
2	To be able to analyze and synthesize
3	To be able to have awareness of ethical and professional responsibility
4	To be able to recognise the basic features of animal species and breeds
5	To be able to make and test preparation in the laboratory, under the supervision of the veterinarian in charge of registration,
6	To be able to care of animals Asepsis and antisepsis to do with the preoperative and postoperative
7	To be able to control of parasitic infestations and infectious disease prevention and veterinary advice can be helpful when working on
8	To be able to prepare and use of animal feeding protocols in theory
9	To be able to Veterinary examination, imaging, and surgical applications of finding assistance during the application and conduct any kind planned by Veterinarian
10	To be able to Make efforts to enhance productivity in animal husbandry

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

	L1	L2	L3	L4	L5	L6	L7	L8
P1	4	4	3	3	4	4	4	4
P2	2	4	3	3	3	4	4	4
P3	1	2	4	3	3	4	4	4
P4	3	3	2	3	4	4	3	4
P5	3	3	3	2	2	3	3	4
P6	3	2	3	2	3	4	4	4
P7	3	1	2	3	3	3	3	3
P8	2	2	4	1	3	3	3	3
P9	3	2	2	3	4	4	4	3
P10	3	2	2	3	4	4	4	3

