



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pharmacology							
Course Code		LVS110		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	55 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To teach pharmacokinetics, pharmacodynamics, clinical use, sources and doses of drugs with theoretical and practical applications. To provide an ability of appropriate and conscious drug use to treatment of diseases 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.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Veterinary General Pharmacology
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Pharmacology and scope of Pharmacology, routes of administration of drugs, their advantages and disadvantages, sources and doses of drugs, the relation between structure and effect of drugs and medical chemistry
2	Theoretical	Pharmacokinetics
3	Theoretical	Pharmacodynamics
4	Theoretical	Drugs affecting central nervous system
5	Theoretical	Drugs affecting central nervous system
6	Theoretical	Drugs affecting autonomic nervous system
7	Theoretical	Drugs affecting autonomic nervous system
8	Intermediate Exam	Midterm exam
9	Theoretical	Cardio vascular drugs
10	Theoretical	Introduction, the general principles of liquid-electrolyte and acid-base balance
11	Theoretical	Drugs acting on the blood and blood forming organs
12	Theoretical	Expectorants, antitussive agents, and bronchodilators
13	Theoretical	Drugs affecting the mouth, pharynx and oesophagus, drugs affecting the stomach, drugs affecting the gastro-intestinal tract
14	Theoretical	Chemotherapeutics
15	Theoretical	Chemotherapeutics
16	Final Exam	Final Exam
17	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	5	1	6



Final Examination	1	6	1	7
Total Workload (Hours)				55
[Total Workload (Hours) / 25*] = <b>ECTS</b>				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To be able to learn the basic principles of pharmacology and its terminology
2	To be able to obtain information on the sources and general properties of drugs, pharmacokinetics (absorption, distribution, metabolism and elimination)
3	To be able to learn mode of actions, contraindications, doses and administration routes of drugs
4	To be able to learn the properties and sources of drugs
5	To be able to learn the properties, pharmacokinetics, pharmacodynamics and use of drugs acting cardio-vascular system and the blood and blood forming organs, general principles of liquid-electrolyte and acid-base balance, expectorants, antitussive agents, bronchodilators and drugs affecting gastrointestinal system.

### 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 Veterinarian 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
P1	4	3	3	4	4
P2	4	4	4	4	4
P3	2	1	1	1	1
P4	3	3	3	3	4
P5	3	2	3	2	2
P6	3	3	4	4	3
P7	4	3	4	3	4
P8	1	2	1	1	2
P9	2	2	4	3	3
P10	2	3	3	3	2

