



NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Curriculum

1.	Course Name	PHARMACOLOGY II
2.	Course Code	VTE304
3.	Course Type	Compulsory
4.	Course Level	Undergraduate
5.	Year	3
6.	Semester	Spring, 6VET
7.	ECTS Credits	2
8.	National credits	2
9.	Theoretical Course Hours (hours/week)	2h/week
10.	Practical Course Hours (hours/week)	-
11.	Course Prerequisites	None
12.	Other Topics Recommended for the Course	None
13.	Course Language	English
14.	Course Format	Face to face / Online
15.	Course Coordinator	
16.	Other Lecturers that Give the Course	-
17.	Communication Details of the Coordinator	
18.	Course Web Address	
19.	Course Aim	It is aimed to teach the effects that medicine has on the human and animal body, to know the basic effect mechanisms and biochemical and biophysical events in the body, the principles of chemotherapy, absorption of medication, distribution, metabolism and excretion of medicine and how to measure these side effects of medicine, information about acute subacute, chronic and special toxins, biopharmaceutics and therapeutics.

20.	Contribution of the Course to Occupational Development	Pharmacology knowledge is one of the indispensable "elements" for a physician during their professional life. Making appropriate and rational treatment decisions is only possible with the acquisition of good pharmacotherapy knowledge. Training on rational drug use in the post-graduate period is very important, especially in terms of more informed prescription of drugs by physicians in the field. Pharmacology is the most important medical course that contributes to the development of these skills by teaching rational drug use to veterinary students before graduation.
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21.	Course Learning Outcomes	LO1	Students will learn the basic terms and terminology of pharmacology.
		LO2	Students will learn the source of medication and its general aspects.
		LO3	Students will learn about Pharmacotherapeutics and their applications
		LO4	Students will learn about the doses and effects of Pharmacotherapeutics
		LO5	Students will learn about the effecting mechanisms of medication, types of medication and how to write a prescription.
		LO6	Students will learn the undesirable effects and toxic effects of medications.

22.	Course Content	WEEK	THEORETICAL COURSE CONTENT	PRACTICAL COURSE CONTENT
		1.	Overview of Systemic Pharmacotherapeutics of the Digestive System (Monogastric)	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses.
		2.	The Ruminant Digestive System (drugs)	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		3.	Systemic Pharmacotherapeutics of the Cardiovascular System	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		4.	Drugs Affecting the Autonomic Nervous System	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		5.	Muscarinic Receptor Agonists and Antagonists, Anticholinesterase Drugs,	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses

		6.	Catecholamines, Sympathomimetic Drugs and Adrenergic Receptor Antagonists	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses nt
		7.	Drugs Affecting the Central Nervous System; Anaesthetics, Neuroleptic Drugs	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		8.	Drugs Used in the Treatment of Epilepsy	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		9.	Antiplatelet, Anticoagulant and Thrombolytic Drugs, Haemostatic Drugs, Antianemic Drugs	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		10.	Systemic Pharmacotherapeutics of the Eye, Ear and Skin	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		11.	Hormones, Otakoids, Anti-inflammatory drugs and Opioid analgesics	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		12.	Systemic Pharmacotherapeutics of Respiratory system	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		13.	Urinary tract and Fluid and electrolyte balance drugs	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
		14.	Immune system drugs	Properties, classification, pharmacokinetics, mode of action, spectrum of action, side/toxic effects and uses
23.	Course Book, References and/or Other Resources	1. General Pharmacology (Course notes) Prof. Dr B. CEM LİMAN 2. Chemotherapeutics (Course notes) Prof. Dr B. CEM LİMAN 3. Pharmacotherapeutics (Course notes) Prof. Dr B. CEM LİMAN		

24.	Evaluation	SEMESTER WORK	NUMBER	PERCENTAGE OF CONTRIBUTION
		Midterm Exam	1	40
		Short Exam		
		Homework, Performance		
		End of Year Exam	1	60
		Total	2	100
		Evaluation Approaches	The evaluation will be realized by a multiple-choice exam.	

25.	ECTS / Workload Table	Activity	NUMBER	Duration [Hours]	Total Workload [Hours]
		Theoretical Courses	14	2	28
		Applied Courses			
		Extracurricular Lesson Study Time (Preparation, revising)	14	2	28
		Homework, Performance			
		Projects			
		Field Studies			
		Midterm Exams	1	2	2
		Other			
		End of Semester Exams	1	2	2
		Total Workload			60
		Total Workload/ 30 Hours			60/30
		Course ECTS Credits			2