



Jordan University of Science and Technology
Faculty of Veterinary Medicine
Veterinary Medicine And Surgery Department

VM341 General Vet. Pharmacology

First Semester 2021-2022

Course Catalog

3 Credit Hours. This course deals with the principles of drug action, including pharmacokinetics, mode of action, drug interactions, major side effects and important drug toxicities. Emphasis is placed on the general principles of drugs that alter tissue and system functions and antimicrobial and antiparasitic drugs.

Text Book

Title	Handbook of Veterinary Pharmacology
Author(s)	Walter H. Hsu
Edition	2nd Edition
Short Name	Ref-1
Other Information	non

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref-2	Veterinary Pharmacology and Therapeutics	H.R. Adams	8th Edition	Non

Instructor

Name	Prof. Falah Shidaifat
Office Location	G1-L3
Office Hours	
Email	falah@just.edu.jo

Class Schedule & Room

Section 7:

Lecture Time: Mon : 14:30 - 16:00

Room: قاعة ابن رشد

Section 8:

Lecture Time: Wed : 14:30 - 16:00

Room: قاعة ابن رشد

Section 9:

Lecture Time: Mon : 14:30 - 16:00

Room: U

Section 10:

Lecture Time: Wed : 14:30 - 16:00

Room: U

Prerequisites

Line Number	Course Name	Prerequisite Type
663000	VM300 Clinical Application And Integration Of Basic Veterinary Sciences 1	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Drug sources and Routs of drug administration	From Ref-1 , From Ref-2
Week 2	General principles of drug Pharmacokinetics (part 1)	From Ref-1 , From Ref-2
Week 3	General principles of drug Pharmacokinetics (part 2)	From Ref-1 , From Ref-2
Week 4	General principles of drugs pharmacodynamics	From Ref-1 , From Ref-2
Week 5	Medical calculations in pharmacology	From Ref-1 , From Ref-2
Week 6	General principles of antimicrobial therapy	From Ref-1 , From Ref-2
Week 7	Cell wall inhibitors	From Ref-1 , From Ref-2
Week 8	Protein synthesis inhibitors	From Ref-1 , From Ref-2
Week 9	Nucleic acid synthesis inhibitors and sulfonamides	From Ref-1 , From Ref-2

Week 10	Antiparasitic agent (internal parasites)	From Ref-1 , From Ref-2
Week 11	Antiparasitic agents (external parasites)	From Ref-1 , From Ref-2
Week 12	Antifungal and antiviral drugs	From Ref-1 , From Ref-2
Week 13	Nonsteroidal Anti-inflammatory drugs	From Ref-1 , From Ref-2
Week 14	Anticancer drugs	From Ref-1 , From Ref-2
Week 15	Pharmacology of Autocoids	From Ref-1 , From Ref-2
Week 16	General review and Final Exam	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To understand the general principles of drug pharmacokinetics	10%	
To comprehend the general principles of drug pharmacodynamics and mode of actions	10%	
To know the different routes of drug administration and to know how to calculate drug dosing	10%	
To know the different classes of antibiotics and their therapeutic uses and to understand mechanisms of antibiotic resistance	20%	
To know the therapeutic uses of the different classes of antiparasitic drugs and their major side effects and toxicities	10%	
? To know the therapeutic uses of the different classes of antifungal and antiviral drugs and their major side effects and toxicities	10%	
To know the therapeutic uses of the different classes of antifungal and antiviral drugs and their major side effects and toxicities	10%	
To know the Nonsteroidal Anti-inflammatory drugs and to understand their therapeutic uses and toxicities	10%	
To know the therapeutic uses of the different classes of antineoplastic drugs and their major side effects and toxicities	10%	

Relationship to Program Student Outcomes (Out of 100%)									
1	2	3	4	5	6	7	8	9	10

Policy

Teaching and Learning strategies	A combination of online and face to phase lectures and discussion through which will be supplemented with audiovisual materials and reading materials
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