



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

VM351 General Vet Pathology

Summer Semester 2019-2020

Course Catalog

3 Credit Hours. This course is designed to introduce basic concepts of Pathology to Veterinary Medical students in terms of tissue, organ, body & especially cellular response to various stimuli. This course will be central to the transition between the basic and the clinical Sciences. The materials will very interesting, and challenging. We welcome any criticism whether positive or negative and wish you good luck in year 3.

Text Book

Title	Pathologic Basis of Veterinary Disease
Author(s)	James F. Zachary and M. Donald McGavin
Edition	6th Edition
Short Name	Veterinary Pathology
Other Information	

Instructor

Name	Dr. Wael Hananeh
Office Location	G1 L-2
Office Hours	
Email	whananeh@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Sun, Mon, Tue, Wed : 16:30 - 18:00
Room: منصة الكترونية

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Definitions	
Week 1	Cell structure & functions	
Week 2	Cellular injury	
Weeks 2, 3	Etiology Predisposing causes of disease A. Existing causes of disease	
Week 3	Disturbances of cell metabolism A. Disturbances involving H ₂ O	
Weeks 4, 5	C. Disturbances involving CHO D. Disturbances involving Fats E. Disturbances involving Calcium F. Disturbances involving Pigments	
Week 6	Disturbances of growth Cells, organs.	
Weeks 7, 8	Death A. Necrosis B. Apoptosis C. Etosis D. necroptosis	
Weeks 9, 10	Disturbances of circulation A. Hyperemia B. Thrombosis C. Anemia D. Embolism E. Ischemia G. Infarction F. Hemorrhage I. Edema J. Shock	
Weeks 11, 12, 13	Inflammation A. Etiology on inflammation B. Function of C. Circulatory change in inflammation D. Cells of inflammation E. Inflammatory exudates F. Classification of inflammation G. Terminology of inflammation H. Healing	
Weeks 14, 15, 16	Neoplasm A. Definition B. Characteristics of neoplasm C. Classification and nomenclature D. Etiology E. Effects of neoplasm F. Diagnosis of neoplasm G. Prognosis	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To learn the history and basic terms of the branches of pathology	10%	
To learn causes of disease and cell necrosis and degeneration	20%	
To learn disturbance of circulation and cellular growth	20%	
To the process and mechanism of inflammation	25%	
To learn types and mechanism of neoplasia	25%	

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

