

Jordan University of Science and Technology
Faculty of Veterinary Medicine
Department of Pathology and Animal Health
Second Semester 2006/2007
Course Syllabus

Course Information	
Course Title	Veterinary Pathology
Course Code	VM 352
Prerequisites	VM222 and VM 232
Course Website	
Instructor	Prof. Nabil Hailat
Office Location	G1L2
Office Phone #	22026
Office Hours	11-12,(S,T,TH)
E-mail	hailatn@just.edu.jo
Teaching Assistant(s)	Graduate students
Course Description	
This course is designed to introduce basic concepts of Pathology to vet. 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 material will very interesting, and challenging. We will have 3 hours lectures and 1 Lab., glass will slides will be shown and interpretation will be given. We welcome any criticism whether positive or negative and wish you hood luck in year IV.	

Textbook	
Title	Mechanism of Disease/ A textbook of comparative General Pathology
Author(s)	David O.Slauson and Barry J. Cooper
Publisher	Williams and Wilkins
Year	1990
Edition	Second
Book Website	
Other references	Veterinary Pathology by Jones and Hunt

Assessment		
Assessment	Expected Due Date	Percentage
First Exam	First sixth week	15
Second Exam	First 12 th week	20
Final Exam	After 15-16 weeks	40
Assignments	Laboratory	20
Participation		5
Attendance		

Course Objectives	Percentage
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1. To learn the history and basic terms of the branches of pathology	10%
2. To learn causes of disease and cell necrosis and degeneration	15%
3. To learn disturbance of circulation and cellular growth	20%
4. To the process and mechanism of inflammation	20%
5. To learn types and mechanism of neoplasia	20%
6. To learn the mechanism of hypersensitivity reactions	10%

Teaching & Learning Methods
Lectures, seminars, videos, glass slides

Learning Outcomes: Upon successful completion of this course, students will be able to		
Related Objective(s)		Reference(s)
1		Chapter 1
1,2		Chapter 2
1-3		Chapter 3
4		Chapter 4
5		
6		
5		

Useful Resources

Course Content		
Week	Topics	Chapter in Textbook (handouts)
1	1. Introduction A. Definitions B. History of pathology II. A. Cell structure & functions B. Cellular injury III Etiology Predisposing causes of disease A. Exiting causes of disease IV. Disturbances of cell metabolism A. Disturbances involving H2O	

	B. Disturbances involving proteins C. Disturbances involving CHO D. Disturbances involving Fats E. Disturbances involving Calcium F. Disturbances involving Pigments V. Disturbances of growth Cells, Organs. VI. Death A. Necrobiosis (physiological death) B. Necrosis and somatic death C. Post-mortem changes VII. Disturbances of circulation A. Hyperaemia B. Thrombosis C. Anaemia D. Embolism E. Ischemia G. Infarction F. Hemorrhage I. Edema J. Sledged blood K. Shock VIII. 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 IX. Neoplasm A. Definition B. Characteristics of neoplasm C. Classification and nomenclature D. Etiology E. Effects of neoplasm F. Diagnosis of neoplasm G. Prognosis X. Immunopathological change	
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	of tissues XI. CNS XII. Skin	

Additional Notes	
The course is taught by two instructors, Nabil Hailat, DVM, Ph.D and Dr. Wael Hananeh	