



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

VM364 Poultry Diseases

Second Semester 2023-2024

Course Catalog

3 Credit Hours. This course will discuss poultry (mainly chickens) diseases. Specific details about each disease will be explained including etiology, transmission, clinical signs, gross lesions, and samples to be collected, diagnostic tests, treatment, vaccination, prevention and control strategies. Pre-request course(s): VM330, VM 363, VM 353.

Teaching Method: Blended

Text Book

Title	Diseases of Poultry, 14th Edition, 2020,
Author(s)	David E. Swayne (Editor-in-Chief).
Edition	14th Edition
Short Name	Book -1
Other Information	Published by John Wiley & sons Inc.

Course References

Short name	Book name	Author(s)	Edition	Other Information
Book-2	Color Atlas of Disease & Disorders of Domestic Fowl & Turkey	C.T. Randall, 2nd edition, 1991	2nd Edition	Gross & Histological Lesions
Book-3	AVIAN DISEASE MANUAL	Association of Avian Pathologists,	8th Edition	Edited by M. Boulianne 2019
Book-4	Poultry Diseases	Mark Pattison	6th Edition	Published by Saunders ELSEVIER
PPT	Power Point Presentations	Prof. Mohammad Q. Al-Natour	30th Edition	Up to Date Diseases Knowledge based on new publications

Internet Sites	Useful Important sites with updated Scientific Information	Prof Al-Natour	30th Edition	https://scholar.google.com/citations?user=LldxtOQAAAAAJ&hl=en https://www.researchgate.net/profile/Mohammad_Al-Natour/contributions
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Instructor	
Name	Prof. Mohammad Al-Natour
Office Location	C1 L-2
Office Hours	Sun : 12:00 - 14:00 Tue : 14:30 - 16:30 Wed : 14:45 - 16:00 Thu : 14:30 - 16:00
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Class Schedule & Room
Section 1: Lecture Time: Sun, Tue : 10:30 - 11:30 Room: NB49

Prerequisites		
Line Number	Course Name	Prerequisite Type
663300	VM330 Applied Veterinary Sciences And Diagnostic Laboratories	Prerequisite / Study
663630	VM363 Poultry Management	Prerequisite / Study
663531	VM353 Systemic Veterinary Pathology	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Introduction & course outlines: Newcastle Disease (3), Avian Influenza (6) Infectious Bronchitis (4)	Chapter 3,4 & 5 From Book -1, Pictures related to those diseases From Book-2
Week 2	Laryngotracheitis(5), Infectious Bursal Disease(6), Avian Pox (10)	Chapter 5,6 &10 From Book -1, Pictures related to those diseases From Book-2
Week 3	Chicken Infectious Anemia & Circovirus Infections(8); Circovirus Infections in Commercial Flocks; Duck & Goose Circovirus, Pigeon Circovirus, AE (P; 520) & CAV.	Chapter 8 From Book -1, Pictures related to those diseases From Book-2

Week 4	Adenovirus Infections (9): EDS-76, Hemorrhagic enteritis (HE); Quail bronchitis (QB), hepatitis?hydropericardium syndrome (HHS), inclusion body hepatitis (IBH) & adenoviral gizzard erosion (AGE). Marble spleen disease (MSD)	Chapter 8 & 9 From Book -1, Pictures related to those diseases From Book-2
Week 5	Avian Reovirus Infections (11); arthritis/tenosynovitis, runting?stunting syndrome(RSS), hepatitis, myocarditis, hydropericardium, osteoporosis, malabsorption syndrome (MAS), , Viral arthritis (11)	Chapter 11 From Book -1, Pictures related to those diseases From Book-2
Week 6	Neoplastic Diseases; Marek?s disease (P 550), Leukosis/ Sarcoma Group (578) Reticuloendotheliosis (P625) Avian Encephalomyelitis (14: p520)	Chapter 15 & 15 From Book -1, Pictures related to those diseases From Book-2
Week 7	Campylobacteriosis (17), Staph (23), Strep, bordetella, ORT, Coryza, spirochetosis. Eid Fitter April 9 to 12	Chapter 17 & 23 From Book -1, Pictures related to those diseases From Book-2, Pictures related to those diseases From Book-3
Week 8	Reviews & Midterm Exam	
Week 9	Salmonellosis(16), Colibacillosis(18) Pasteurellosis; Fowl cholera (19)	Chapter 16, 18 & 19 From Book -1, Pictures related to those diseases From Book-2, Pictures related to those diseases From Book-3, Diseases Management From Book-4
Week 10	Clostridial infections (22) , Chlamydia (24)	Chapter 22 & 24 From Book -1, Pictures related to those diseases From Book-2, Pictures related to those diseases From Book-3, Diseases Management From Book-4

Week 11	Mycoplasmosis (21), Fungal infections (25) Aspergilliosis, Candidiasis	Chapter 21 & 25 From Book -1, Pictures related to those diseases From Book-2, Pictures related to those diseases From Book-3, Diseases Management From Book-4
Week 12	Protozoal Infections (28) Coccidiosis, Cryptosporidiosis, Histomoniasis (Black Head), Ecto (26) & Endoparasites (27)	Chapter 26, 27& 28 From Book -1, Pictures related to those diseases From Book-2, Pictures & Treatment Programs From Book-3, Prevention & Treatments From Book-4
Week 13	Nutritional Dis (29), gout and miscellaneous conditions (30)	Chapter 29 & 30 From Book -1, Pictures related to those diseases From Book-2, Pictures & Treatment Programs From Book-3, Diseases Management From Book-4
Week 14	Mycotoxins (31), Toxins & Poisons (32)	Chapter 31 & 32 From Book -1, Pictures related to those diseases From Book-2, Pictures & Treatment Programs From Book-3, Diseases Management From Book-4
Week 15	Reviews	

Week 16	Reviews & Final Exam	
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Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
1. Students will be familiar with the common poultry diseases	50%	
2. They will learn the approach for diagnosis	25%	
3. They will learn management of the disease	25%	

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

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