



University of Sadat City
Faculty of Veterinary Medicine
Dept. of Poultry and Rabbits Medicine
(2014-2015)



Mycotic Diseases of Poultry (763M)

MASTER COURSE SPECIFICATION

A. BASIC INFORMATION

University:	University of Sadat City
Faculty:	Veterinary Medicine
Program on which the course is given:	Master in Veterinary Medical Sciences (Poultry and Rabbits Diseases)
Department offering the Course:	Poultry and Rabbits Medicine
Course code:	763M
Course title:	Mycotic Diseases of Poultry
Lecture (hr/week):	2
Practical (hr/week):	2
Course coordinator:	Dr. Alaa Gaballa

2- Professional information

1- Overall aims of course
Upon successful completion of the course, the student will be able to: <ul style="list-style-type: none">❖ Identify the different Mycotic diseases affecting different birds species.❖ Develop approaches for prevention, diagnosis and treatment of Mycotic diseases.
2- Intended learning outcomes of course (ILOs)
<u>a-Knowledge and understanding</u>
By the end of this course the graduate should be able to: <ul style="list-style-type: none">a.1. Define the different Mycotic diseases concepts.a.2. Recognize the epidemiology of Mycotic diseases of poultry and rabbits.a.3. Explain the characteristics clinicopathological lesion of Mycotic diseases.a.4. Recognize the different methods for diagnosis and treatment of Mycotic diseasesa.5. . List factors affecting severity and occurrence of Mycotic diseases.
<u>b-Intellectual skills</u>
By the end of this course the graduate should be able to :- <ul style="list-style-type: none">b.1. Analysis reasons and sources of Mycotic infection in poultry farms.b.2. Apply the proper approach for diagnosis and differential diagnosis.b.3. Design the biosecurity programs to control Mycotic diseases of the poultry and rabbits disease.b.4. Select the most suitable and economic way of treatment and prevention of bacterial infection disease in poultry
<u>c-Professional and practical skills</u>
By the end of this course the graduate should be able to: <ul style="list-style-type: none">c.1. Carry out clinical and postmortem examination.c.2. Carry out sampling, labeling and preservation of samples.c.3. Able to perform isolation and identification of mycotic agentsc.4. Use appropriate basic laboratory equipment safely and efficiently
<u>d-General and transferable skill</u>
By the end of studying the course, the student should be able to <ul style="list-style-type: none">d.1. Work effectively as part of a team.d.2. Efficiently make use of library facilities .d.3. Explore appropriate computer / keyboard skills including wordd.4. Processing, spreadsheets, presentation packages and graph plotting.

3- Topics and contents

Topic	No. of hours		
	Lectures	Practical	Total
Aspergillosis	4	-	4
A.flavus infection	4	-	4
A. fumigatus infection	4	-	4
Prevention of aspergillosis	8	-	8
Candidiasis	8	-	8
Prevention of candidiasis	8	-	8
Dermatophytosis	4	-	4
Control of Dermatophytosis	8	-	8
Dactylariosis	4	-	4
Histoplasmosis	8	-	8
Cryptococcosis	4	-	4
Zycomycosis	4	-	4
Mycotoxicosis	6	-	6
Clinical pictures of Mycotoxicosis	8	-	8
Prevention of Mycotoxicosis	6	-	6
Clinical examination of mycotic diseases	-	12	12
Postmortem examination	-	22	22
Collection and preservation of samples from affected poultry	-	12	12
Isolation and identification of different fungi	-	22	22
Serological tests for fungi	-	20	20
Total	88	88	176

4- Teaching and learning methods

- 4.1. Lectures.
- 4.2. Practical.
- 4.3. Self-learning activities.

5-Student assessment

A. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills
2- Practical	For assessment of practical and professional skill.

examination	
3- Oral examination	For assessment of knowledge and Intellectual skills
4- Student activities	For assessment of knowledge and general and transferable skills

B. MATRIXALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

	K.U (a)	I.S (b)	P.P.S (c)	G.S (d)
Written exam	1,2,3,4,5	1,2,3,4		
Practical exam			1,2,3,4	
Oral exam	1,3,4,5	1,2,3		
Student activities				1-4

C. WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
Final written exam	50%	Marked and signed written paper
Practical exam	20%	Marked and signed practical exam paper
Oral exam	20%	Signed list of oral exam marks
Student assignments	10%	Representative samples of presented materials

6- List of references

<u>6.1. Essential books</u>
<p>1-Diseases of poultry 12th edition Edited by saif,Fadly and Glisson (Iowa state University press Ames, Iowa, USA) 2008</p> <p>2-Avian Medicine and Surgery Edited by Robert B.Altman (W.B.Saunders company)1997</p>

6.2. Recommended texts

1-Principles of poultry Science

Edited by S.P.Rose (CAB International UK)2006

2-Poultry diseases sixth edition

Edited by Frank Jordan 2008

Website

*msucares.com/poultry/diseases/disfungi.htm

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www.merckmanuals.com/vet/poultry/...mycotic_pneumonia...poultry.html

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6.3. Journals , Websitesetc

- 1- Poultry Science Journal
- 2- British poultry science Journal
- 3- Poultry Disease Journal

Course coordinator:

Dr. Alaa Abdelrazik Gaballa

Head of department:

Prof. Dr. Shaaban Gadallah

Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours	Hours for lect.	Hours for pract.	ILOs				T&L. methods				
	Lect.	Pract.				K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)	Lect.	Pract.	Self & active leaning	Audio visual	Case study
Aspergillosis	4	-	4	4		1,2,3,4,5	1,3,4		1,2,3,4	+	-			
A.flavus infection	4	-	4	4		1,2,3,4,5	1,2,3,4		1,2,3,4	+	-			
A. fumigatus infection	4	-	4	4		1,2,3,4,5	1,3,4		1,2,3,4	+	-			
Prevention of aspergillosis	8	-	8	8		1,2,4	2,4		1,2,3,4	+	-			
candidiasis	8	-	8	8		2,3,4	1,2,3		1,2,3,4	+	-			
Prevention of candidiasis	8	-	8	8		2,4,5	2,3		1,2,3,4	+	-			
Dermatophytosis	4	-	4	4		2,4,5	3,4		1,2,3,4	+	-			
Control of Dermatophytosis	8	-	8	8		3,4,5	1,3		1,2,3,4	+	-			
Dactylariosis	4	-	4	4		1,4,5	2,3,4		1,2,3,4	+	-			

Histoplasmosis	8	-	8	8		2,4,5	3,4		1,2,3,4	+	-			
Cryptococcosis	4	-	4	4		3,4,5	1,2,3,4		1,2,3,4	+	-			
Zycomycosis	4	-	4	4		2,4,5	2,3,4		1,2,3,4	+	-			
Mycotoxycosis	6	-	6	6		2,3,5	1,3,4		1,2,3,4	+	-			
Clinical pictures of Mycotoxicosis	8	-	8	8		2,3,4	2,3,4		1,2,3,4	+	-			
Prevention of Mycotoxicosis	6	-	6	6		1,4,5	3		1,2,3,4	+	-			
Clinical examination of mycotic diseases	4	-	12	-	12		3	1	1,2,3,4	-	+			
Postmortem examination	-	10	22	-	22			1,4	1,3	-	+			
Collection and preservation of samples from affected poultry	-	12	12	-	12		1,3	2,4	1,2	-	+			
Isolation and identification of different fungi	-	12	22	-	22		2,3,4	3,4	1,3	-	+			
Serological tests for fungi	-	12	20	-	20		2,3,4	3,4	1,4	-	+			
Total			176	88	88									