



Beni-Suef University  
Faculty of Veterinary Medicine

## Course specification of poultry diseases

### 1-Basic information

<b>Course code:</b>	POD:5165
<b>Course title :</b>	Poultry Disease (Part I)
<b>Program title:</b>	B.V.Sc. Bachelor Degree of Veterinary Medical Sciences
<b>Contact hours/ week</b>	5 hours/week (2 Lect./week, 3 Practical/week)
<b>Approval Date</b>	

### 2-Professional information

**Overall aims of course:**

**This course aims to:**

- 1- Distinguish the pathogenesis of bacterial and mycotic diseases of poultry and rabbits.
- 2- Recognize the field and laboratory methods of diagnosis of bacterial, mycotic and nutritional disorders.
- 3- Emphasis the treatment, control and preventive programs and strategies required to solve poultry and rabbit disease problems.

### 3- Intended learning outcomes of course (ILOs)

**a- Knowledge and understanding:**

**By the end of this course the student should be able to:**

- a.1. Recall different scientific terms about poultry species, pathogens and diseases.
- a.2. Categorize different diseases of poultry and rabbits based on their etiologies.
- a.3. Describe the clinical signs and lesions caused by bacteria, fungi, yeasts and mycotoxins in different poultry species.
- a.4. Highlight the effect of faulty nutrition on poultry health and productivity.
- a.5. Describe different disease prevention and control measures that must be taken in poultry and rabbit farms.
- a.6. Design a sheet for poultry farm history.

**b-Intellectual skills**

**By the end of this course the student should be able to:**

- b.1. Differentiate different diseases affecting both domesticated poultry and rabbit in the light of their clinical pictures.
- b.2. Understand the pathogenesis and epidemiology of bacterial and mycotic diseases of poultry and rabbit.
- b.3. Organize the most common poultry disease and their relation to the environment.
- b.4. Interpret the results of laboratory examination of samples collected from diseased cases.
- b.5. Design and evaluate prevention and control program against bacterial, mycotic and nutritional diseases of poultry and rabbits.



## Course specification of poultry diseases

### C- Professional and practical skills

**By the end of this course the student should be able to:**

- c.1. Assesse and practice the essential biosafety procedures necessary for poultry and rabbit farms hygiene.
- c.2. Apply diagnosis through clinical and post-mortem examination.
- c.3. Collect samples from diseased cases.
- c.4. Apply laboratory diagnosis (isolation and identification of the pathogen) and serological tests.
- c.5. Differentiate between the common poultry and rabbit diseases.
- c.6. Practice efficiently medication and/or vaccination against bacterial diseases of poultry and rabbits.

### d- General and transferable skills

**By the end of studying the course, the student should be able to:**

- d.1. Work in a group and manage time.
- d.2. Demonstrate written and oral communication with poultry specialists.
- d.3. Utilize efficiently library facilities and IT tools.

### 4-Topics and contents

Course	Topic	Week	No. of hours		
			Lectures	Practical	Total
5 <sup>th</sup> year – first term Poultry Disease (Part I)	Bacterial diseases of poultry	1-8	16	-	16
	Clinical and Postmortem examination	1-4	-	12	12
	Biosecurity & Medication in poultry	5-8	-	12	12
	Mycotic diseases and mycotoxicosis in poultry	9-10	4	6	10
	Nutritional diseases of poultry	11-12	4	6	10
	Rabbit bacterial diseases	13	2	3	5
	<b>Total number of hours</b>			26	39



## Course specification of poultry diseases

### 5-Teaching and learning methods

- 5.1. Lectures (brain storm, discussion) using board, data shows
- 5.2. Self learning by preparing essays and presentations (computer researches and library)
- 5.3. Practical (models, samples of stained tissues and data show, field visits for poultry farms).

### 6-Student assessment

#### 6.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Written Exam	a1,a2,a3,a4,a5	b1,b2,b3,b5		
Practical Exam			c1,c2,c3,c4,c5,c6	
Oral Exam	a1,a2,a3,a4,a5	b1,b2,b3,b5	c1,c2,c5	
Student activities	a6			d1,d2,d3

#### 6.2. Assessment schedules

Method	Week(s)
Writing exam	14 <sup>th</sup> week
Practical exam	14 <sup>th</sup> week
Oral exam	14 <sup>th</sup> week
Student activities	Along the course

#### 6.3. Weight of assessments

Assessment	Weight of assessment
Writing exam	<b>50%</b>
Practical exam	<b>20%</b>
Oral exam	<b>20%</b>
Student activities	<b>10%</b>
total	100%

### 7- List of references

#### 7.1. Notes and books

Inpress

#### 7.2. Essential books:

- Diseases of Poultry 13<sup>th</sup> Edition (Library of the faculty- internet)
- Avian pathology (Library of the faculty- internet)



Beni-Suef University  
Faculty of Veterinary Medicine

## **Course specification of poultry diseases**

### **7.3. Recommended texts**

- Laboratory manual for isolation and identification of avian pathogens (Library of the faculty- internet)
- Diseases of the Domestic Fowl and turkey – C.J.RANDALL (Library of the faculty- internet)

### **7.4. Journals, Websites .....etc**

#### **Journals:**

- Avian diseases
- Avian pathology
- British poultry science
- Veterinary Bulletin
- www.poultryhelp.com
- www.thepoultrysite.com
- www.canadianpoultry.com
- www.msstate.edu/dept/poultry
- www.aaap.net
- www.poultrydiseases.net
- www.feathersite.com
- www.poultryconnection.com
- www.cambridgeshire.gov.uk/business/trading/agriculture/poultrydisease.htm
- www.worldpoultry.com
- www.sciencedirect.com

#### **Course Coordinators**

Dr/AL Hussien Dahshan

#### **Head of Department**

Prof. Dr/Azza AL Sawah



Beni Suef University  
Faculty of Veterinary Medicine

## Matrix

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Bacterial diseases of poultry	1-8	1,2,3,5	1,2,3,5	5	1,2,3
Clinical and Postmortem examination	1-4	1,3,6	1,4	2,3,4,5	1,2,3
Biosecurity & Medication in poultry	5-8	2,5	3,5	1,6	1,2,3
Mycotic diseases and mycotoxicosis in poultry	9-10	1,2,3,5	1,2,3,4,5	2,3,4,5,6	1,2,3
Nutritional diseases of poultry	11-12	1,2,4,5	1,2,3,4,5	2,5,6	1,2,3
Rabbit bacterial diseases	13	1,2,5	1,2,3,4	1,2,3,4,5,6	1,2,3
Cases and field visits and student activities	All time	1,2,3,4,5,6,7			1,2,3