Beni-Suef University
Faculty of Veterinary Medicine

Course specification of poultry diseases

1-Basic information

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

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 di erent 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 e ect 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 mcyotic diseases of poultry and rabbit.

b.3. Organize the most common poultry disease and their elation 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.

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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
5th year – first term Poultry Disease (Part I)	Bacterial diseases of poultry	1-8	16	-	16
	Clinical and Postmortem examination	1-4	-	12	8
	Biosecurity & Medication in poultry	5-8	-	12	8
	Mycotic diseases and mycotoxicosis in poultry	9-10	4	6	8
	Nutritional diseases of poultry	11-12	4	6	8
	Rabbit bacterial diseases	13	2	3	4
	Total number of hours		26	39	65

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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, eld 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	14th week
Practical exam	14th week
Oral exam	14th week
Student activities	Along the course

6.3. Weight of assessments

Assessment	Weight of assessment
Writing exam	**50%**
Practical exam	**20%**
Oral exam	**20%**
Student activities	**10%**
total	100%

7- List of references

7.1. Notes and books

Inpress

7.2. Essential books:

- Diseases of Poultry 13th Edition (Library of the faculty- internet)
- Avian pathology (Library of the faculty- internet)

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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	Head of Department
Dr/AL Hussien Dahshan	Prof. Dr/Azza AL Sawah

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