Beni-Suef University

Faculty of Veterinary Medicine

Course specification of poultry diseases

1-Basic information

Course code:	POD:5275
Course title :	Poultry Disease (Part II)
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 viral and parasitic diseases of poultry and rabbits.

2- Recognize the field and laboratory methods of diagnosis of viral and parasitic diseases.

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 the basic background of viruses and parasites infecting poultry and rabbits

a.2. Categorize poultry viral and parasitic diseases based on their etiologies

a.3. Describe the clinical signs and lesions caused by viruses and parasites in poultry and rabbits.

a.4. Identify tools required for diagnosis of viral and parasitic diseases of poultry.

a.5. Illustrate the effect of viruses and parasites on poultry health and productivity

a.6 Describe different disease prevention and control measures that must be taken in poultry and rabbit farms to prevent viral and parasitic diseases.

b- Intellectual skills

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

b.1. Recognize the pathogenesis, epidemiology and epizootiology of different viral and parasitic diseases

b.2. Differentiate between different viral and parasitic diseases affecting both domesticated poultry and rabbit in the light of their clinical pictures.

b.3. Interpret the results of laboratory viral and parasitological examination of samples collected from diseased birds.

b.4. Design successful vaccination programs taking in consideration the epidemiological situation of different infectious diseases

b.5. Design a prevention program against parasitic poultry diseases and put a treatment program incase of infections.

C- Professional and practical skills

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

c.1. Assesse and practice the essential laboratory bio-safety procedures necessary for

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working with viruses.

c.2. Collect samples from different viral and parasitic diseases suspected cases.

c.3. Apply virological and parasitological examination to reach definitive diagnosis of infectious agents.

c.4. Apply serological examination for monitoring of immune responses and or infection status of poultry.

c.5. di erentiate between the common poultry and rabbit viral diseases.

c.6. Practice how to vaccinate poultry ocks and requirements for applying successful vaccination program.

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 – second term Poultry and Rabbit Diseases	Viral diseases of poultry	1-7	10	15	25
	Parasitic diseases of poultry	7-8	8	3	11
	Vaccines and vaccination schedules in poultry	8-10	-	9	9
	Rabbit viral and parasitic diseases	9-11	6	-	6
	Miscellaneous diseases and vices of poultry	11	2	-	2
	Anti-parasitic drugs	11	-	3	3
	CRD, Enteric problems and problems of egg production	12-13	-	9	9
Total			26	39	65

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).

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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		
Practical Exam			c1,c2,,c3,c4,c5,c6	
Oral Exam	a1,a2,a3,a4,a5	b1,b2,b3,b4,b5	c1,c2,,c3,c4,c5,c6	
Student activities				d1,d2,d3,d4

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%

7.1. 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)

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

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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**

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Matrix

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	**I.S (b)**	**P.P.S (c)**	**G.T.S (d)**
Viral diseases of poultry	1-7	1,2,3,4,5	1,2,3,4	1,2,3,4,5,6	1,2,3
Parasitic diseases of poultry	7-8	2,3,4, 5,6	1,2,3, 5	1,2,3,5	1,2,3
Vaccines and vaccination schedules in poultry	8-10	1,2,3,6	1,3,4	1,2,3,4,6	1,2,3
Rabbit viral and parasitic diseases	9-11	1,2,3,4,5,6	1,2,3,4,5	1,2,3,4,5,6	1,2,3
Miscellaneous diseases and vices of poultry	11	3,4	1,5	5	1,2,3
Anti-parasitic drugs	11	1,6	2,3,5	2,3,5	1,2,3
CRD, Enteric problems and problems of egg production	12-13	1,2,3	1,3	2,3,4,5	1,2,3
Slides and clinical specimen	12-14	1,2,3	2,3	5,6	1,2,3
Cases and field visits and student activities	All time	1,2,3,4,5,6			1,2,3