

Beni-Suef University
Faculty of Veterinary Medicine
Department of Poultry Diseases

Course Specification

1- Basic information:		
Code No.: S5-PRDS	Course title: Poultry and Rabbit Diseases	Academic Year: 5 th
Teaching Hours:		Specialization: BVSc
Lecture: 2	Practical: 3	Total: 5

2- Overall aims of the Course:

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

- ❖ Outline different diseases that may affect the poultry husbandry or the economics of poultry and rabbit industry.
- ❖ Understand the pathogenesis of different poultry and rabbit diseases including bacterial, viral, parasitic, fungal and nutritional disorder.
- ❖ Apply clinical and laboratory diagnosis poultry and rabbit diseases.
- ❖ Decide the best method for prevention and control of different diseases of poultry and rabbit.

3- Intended Learning Outcomes:

a- Knowledge and Understanding

By successful completion of the course, the student should be able to:

- a1. Recall information regarding different scientific terms about poultry and rabbit species and diseases.
- a2. Outline different diseases that may affect the poultry health or the economics of poultry and rabbit industry.
- a3. Understand the pathogenesis of different poultry and rabbit diseases
- a4. Specify different methods of diagnosis, prevention and control of bacterial, viral, parasitic, mycotic and nutritional diseases of poultry.

b- Intellectual Skills

By successful completion of the course, the student should be able to:

- b1. Get proper decision in farms especially those related to increase production.
- b2. Differentiate between different poultry diseases
- b3. Design the main lines for prevention of poultry diseases and evaluate different bio-security levels in poultry farms.

c- Professional and Practical Skills:

By successful completion of the course, the student should be able to:

- c1. Apply clinical and laboratory diagnosis of different poultry and

rabbit diseases.

- c2. Interpret the clinical data to know the prognosis of field cases.
- c3. Select and decide the correct methods of treatment and the correct vaccination schedule.
- c4. Write suitable report of the field cases.

d- General and Transferable Skills:

By successful completion of the course, the student should be able to:

- d1. Use the computer and IT tools scientific research.
- d2. Manage time and apply self learning.
- d3. Work in group.
- d4. Communicate effectively with poultry specialists and farm owners.

4- Course Contents:

1st semester

Week	Course description	Total (hr)	Lectures (hr)	Practical (hr)
1-8	Bacterial diseases of poultry	16	16	-
9	Rabbit bacterial diseases	2	2	-
10-11	Mycotic diseases and mycotoxicosis in poultry	4	4	-
12-13	Nutritional diseases of poultry	4	4	-
1-3	Clinical and postmortem examination	9	-	9
4-5	Bacteriological examination of poultry and antimicrobial sensitivity testing	6	-	6
6	Mycotic examination and detection of mycotoxins.	3	-	3
7-9	Biosecurity and medication in poultry	9	-	9
10-11	Slides and clinical specimens	6	-	6
12-13	Cases and field visits	6	-	6
	Student activities:			
	- Writing assays	-	-	-
	- Internet search			
		65	26	39

2nd semester

Week	Course description	Total (hr)	Lectures (hr)	Practical (hr)
1-8	Viral diseases of poultry	16	16	-
9-10	Parasitic diseases of poultry	4	4	-
11-12	Rabbit viral and parasitic diseases	4	4	-
13	Miscellaneous diseases and vices of poultry	2	2	-
1-3	Virological examination of poultry	9	-	9
4-5	Parasitological examination of poultry	6	-	6
6-8	Vaccines and vaccination schedules in poultry	9	-	9
9	CRD, enteric problems and problems of egg production	3	-	3
10-11	Slides and clinical specimen	6	-	6
12-13	Cases and field visits	6	-	6
	Student activities:			
	- Writing essays			
	- Internet search			
	Total	65	26	39

5- Teaching and Learning Methods:	<ul style="list-style-type: none"> • Lectures: Depends on the sharing efforts of the students and supported with macromedia and multimedia aids. • Training visits: Visits to poultry farms and poultry feed processing plants. • Practical sections: <ul style="list-style-type: none"> - Clinical and necropsy examination of diseased and dead samples. - Laboratory diagnosis of different diseases of poultry and rabbit using suitable methods. - Antimicrobial sensitivity testing. • Self learning: Electronic learning, Seminars, scientific search on related websites, international, national and local journals, related books in faculty library. • Summer training course • Assays • Discussion groups
6- Teaching and Learning Methods for Handicapped:	Not applicable

7- Students assessment:				
Methods of assessments:	Schedule	Weighing (degrees)		Intended learning outcomes
		Semester	Final	
a) Written exam by the end of each semester	Week:15, 16, 17	25	50	a1 to a4 b1 to b3
b) Practical exam at the end of each semester	Week: 14	10	20	a1 to a4 b1 to b3 c1 to c4
c) Oral exam by the end of each semester	Week: 15, 16, 17	10	20	a1 to a4 b1 to b3 c1 to c4 d1 to d4
d) Student activities	Along the semester	5	10	a1 to a4 b1 to b3 c1 to c4 d1 to d4
8- List of References:				
a- Course notes:	• None			
b- Essential books:	Diseases of Poultry , 11 th ed. Iowa State Univ. Press, Ames. BY Calnek, B.W.; Barnes, H. J.; Beard, C.W.; McDougald, L. R. and Saif, Y. M.			
c- Recommended books	Laboratory Manual for the Isolation and Identification of Avian Pathogens: BY David E. Swayne, John R. Glisson and Mark W. Jackwood			
d- Periodicals, websites,.....etc	Journals: - Avian diseases - Avian pathology - British poultry science - Veterinary Bulletin Websites: - www.poultryhelp.com - www.thepoultrysite.com			

National Authority For Quality Assurance and Accreditation of Education

	<ul style="list-style-type: none">- www.canadianpoultry.com- www.aaap.net- www.poultrydiseases.net- www.poultryconnection.com- www.worldpoultry.com- www.sciencedirect.com
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The programme specification was discussed and assigned in the department council in: /2012

Course Coordinator

Name: Prof.: Magdy Fathy ElKady

Sig. :

Date :

Head of Department

Prof. Azza A. Sawah

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Course title : Poultry and Rabbit diseases for 5th year students
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Course Matrix for Achievement of Intended Learning Outcomes

Topics		Wk	Knowledge and Understanding	Intellectual Skills	Practical and Professional Skills	General & Transferable Skills
First Semester						
1	Bacterial diseases of poultry	1-8	a1, a2, a3, a4	b1	-	d1, d2
2	Rabbit bacterial diseases	9	a1, a2, a3, a4	b1	-	d1, d2
3	Mycotic diseases and mycotoxicosis in poultry	10-11	a1, a2, a3, a4	b1	-	d1, d2
4	Nutritional diseases of poultry	12-13	a1, a2, a3, a4	b1	-	d1, d2
5	Clinical and postmortem examination	1-3	a1, a4	b2	c1, c2, c4	d1, d2
6	Bacteriological examination of poultry and antimicrobial sensitivity testing	4-5	a4	-	c1, c4	d1, d2
7	Mycotic examination and detection of mycotoxins.	6	a4	-	c1, c4	d1, d2
8	Biosecurity and medication in poultry	7-9	a4	b1, b3	c3	d1, d2
9	Slides and clinical specimens	10-11	a2	b2	c1	d1, d2, d3
10	Cases and field visits	12-13	a2, a4	b2	c1, c2, c3, c4	d1, d2, d3
Second Semester						
1	Viral diseases of poultry	1-8	a1, a2, a3, a4	b1	-	d1, d2
2	Parasitic diseases of poultry	9-10	a1, a2, a3, a4	b1	-	d1, d2
3	Rabbit viral and parasitic diseases	11-12	a1, a2, a3, a4	b1	-	d1, d2
4	Miscellaneous diseases and vices of poultry	13	a1, a2, a3, a4	b1	-	d1, d2
5	Virological examination of poultry	1-3	a4	-	c1, c4	d1, d2
6	Parasitological examination of poultry	4-5	a4	-	c1, c4	d1, d2
7	Vaccines and vaccination schedules in poultry	6-8	a4	b1, b3	c3	d1, d2
8	CRD, Enteric problems and problems of egg production	9	-	b2	c1	d1, d2
9	Slides and clinical specimen	10-11	a2	b2	c1	d1, d2, d3
10	Cases and field visits	12-13	a2, a4	b2	c1, c2, c3, c4	d1, d2, d3
Student activity		Along the 2 semesters	a1, a2, a3, a4	b1, b2, b3	c3, c4	d1, d2, d3, d4