



Beni Suef University
Faculty of Veterinary Medicine

Course specification(2018-2019)

1-Basic information

Course Code:	S5-PRDS
Course name :	Poultry Diseases
Academic year:	5 th Academic year
Program title:	B. Sc. Veterinary Medical sciences
Contact hours/ week	5 hours/week, (2 Lect./week, 3 Practical/week)
Approval Date	10-09-2018

-Professional information

Overall aims of course:

This course aims to:

- 1- Distinguish the pathogenesis of different poultry and rabbit diseases.
- 2- Recognize the field and laboratory methods of diagnosis of viral, bacterial, mycotic, parasitic 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 information about different scientific terms about poultry species and poultry diseases.
- a.2. Describe the different disease prevention and control measures that must be taken in poultry and rabbit farms.
- a.3. Recognize the different poultry and rabbit diseases prevalent in Egypt.
- a.4. Distinguish different diseases that may affect the poultry health or the economics of poultry industry.
- a.5. Design a sheet for poultry farm history.

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 diseases
- b.2. Differentiate between different diseases affecting both domesticated poultry and rabbit in the light of their clinical pictures.
- 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 birds.
- b.5. Suggest the economic impact of different disease conditions of poultry industry.

C- Professional and practical skills

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

- c.1. Assesse and practice the essential bio-safety procedures necessary for poultry and rabbit farms hygiene.
- c.2. Apply diagnosis through clinical and post-mortem examination .



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- 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 how to medicate and/or vaccinate poultry flocks.

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	No. of hours	Lectures	Practical
5th year – first term Poultry and Rabbit Diseases	Bacterial diseases of poultry	16	10	6
	Mycotic diseases and mycotoxicosis in poultry	14	8	6
	Nutritional diseases of poultry	7	4	3
	Rabbit bacterial diseases	8	2	6
	Clinical and Postmortem examination	8	-	8
	Biosecurity & Medication in poultry	12	-	12
	Total	65		
5th year – second term Poultry and Rabbit Diseases.	Viral diseases of poultry	19	10	9
	Parasitic diseases of poultry	14	8	6
	Rabbit viral and parasitic diseases	9	6	3
	Miscellaneous diseases and vices of poultry	2	2	-
	Vaccines and vaccination schedules in poultry	9	-	9
	CRD, Enteric problems and problems of egg production	12		12
	Total	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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7-Student assessment

7.1. 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	c1,c2,,c3,c5	
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	d1, d2, d3

7.2. Assessment schedules

Method	Week(s)
Written exam	14 th week
Practical exam	14 th week
Oral exam	14 th week
Student activities	----

7.3. Weight of assessments

Assessment	Weight of assessment
Writing exam	50%
Practical exam	25%
Oral exam	25%
Student activities	--
total	100%

8- List of references

8.1. Notes and books

Inpress

8.2. Essential books:

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

8.3. 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)

8.4. Journals, Websitesetc

Journals:

- Avian diseases
- Avian pathology
- British poultry science



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- 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

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Topics ILOs 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	1,2,3	1,2,3	1,2,3	1,2,3	1,2
Mycotic diseases and mycotoxicosis in poultry	3,4	1, 2, 3	1,2, 3	1, 2	1,2
Nutritional diseases of poultry	5	1,2,3	1,2,3,4	1,2,3	1,2
Miscellaneous diseases and vices of poultry	6	1,2,3,4	1,2,3,4,5	1,2,3,4	1,2,3
Rabbit bacterial diseases	7	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4
Clinical and Postmortem examination	1,2,3	1,2,3,4,5	1,2,3,4	1,2,3	1,2,3
Bacteriological examination of poultry	3,4	1,2,3,4,5,6	1,2,3,4,5	1,2,3,4,5	1,2
Mycotic examination and detection of Mycotoxins	5	1,2,3,4,5,6		1,2,3,4,5	1,2
Biosecurity & Medication in poultry	6	1,2,3,4,5,6	1,2,3,4	1,2,3	1,2,3,4
Slides and clinical specimen	7	1,2,3,4,5,6,7	1,2,3,4	1,2,3	1,2,3,4
Cases and field visits	8	1,2,3,4,5,6,7			1,2,3,4
Viral diseases of poultry	9	1,2,3	1,2,3	1,2,3	1,2,3
Parasitic diseases of poultry	10	1,2,3	1,2,3,4	1,2,3	1,2,3
Rabbit viral and parasitic diseases	11	1,2,3	1,2,3,4	1,2,3	
Virological examination of poultry	12	1,2,3,4,5,6,7	1,2,3,4,5	1,2,3	1,2,3,4
Parasitological examination of poultry	13	1,2,3,4,5,6,7	1,2,3,4,5	1,2,3,4	1,2,3,4
Vaccines and vaccination schedules in poultry	14	1,2,3,4,5,6,7	1,2,3,4,5	1,2,3,4	1,2,3,4
CRD, Enteric and egg production problems	15	1,2,3,4,5,6,7	1,2,3,4,5	1,2,3,4	1,2,3,4
Slides and clinical specimen	16	1,2,3,4,5,6,7	1,2,3,4,5	1,2,3,4	1,2,3,4