



Benha University
Faculty of Veterinary Medicine
Department of Poultry Diseases

Course specifications

Bacterial and Viral Diseases of Poultry

Programme on which the course is given: **Bachelor of Veterinary Medical Sciences**

Department offering the course: **Department of Poultry Diseases**

Academic year/level: **5th year level (First semester)**

Date of specification approval Ministerial decree No. 921 on 15/ 9/ 1987
(approved in this template by the Department Council on 11 /10 / 2009)

A- Basic Information

Title: Bacterial and viral diseases of poultry bacterial viral disease of poultry

Lecture: 3 hours / week

Code: Vet00654a

Practical: 3 hours / week

Total: 6 hours / week

B- Professional Information

1 – Overall Aims of Course:

The aim of the course is to provide the students with basic education in the field of all diseases affecting poultry and to enable them to gain the skills and attitudes required for the practice of field and laboratory diagnosis, And to design programs for disease prevention and control. Also improve interpersonal communication in society between veterinarian and poultry producers to enhance poultry health and production.

2 – Intended Learning Outcomes of Course (ILOs)

a-Knowledge and Understanding:

After successful completion of the course the students should be able to:

- a.1. Know various causes of poultry diseases, their pathogenesis, macroscopic and microscopic pathological lesions, and laboratory diagnosis.
- a.2. Understand the most appropriate diagnosis and differential diagnosis of poultry diseases .
- a.3. Approach the methods of disease prevention and control.

b-Intellectual Skills

After successful completion of the course the students should be able to:

- b.1. Collect history and data required for disease diagnosis..
- b.2. Analyze the causes of the problem.
- b.3. Design differential diagnosis to reach the specific disease for good control of the case.
- b.4 Assess the problem according to available facilities.

C-Professional and Practical Skills

After successful completion of the course the students should be able to:

- c.1. Carry out case history from poultry flock.
- c.2. Apply clinical examination of diseased cases
- c.3. Perform lab diagnosis.
- c.4. Design case report and interpret findings.
- c.5. Choose therapeutic approach of the case.

d-General and Transferable Skills

After successful completion of the course the students should be able to:

- d.1. Using computers
- d.2. Using internet
- d.3. Conduct a search in digital library
- d.4. Capacity to make oral presentations

- d.5. Retrieve information from different sources independently.
- d.6. Know group dynamics to reach objectives
- d.7. Recognizing and identifying views of others
- d.8. Ability to schedule tasks in order of importance
- d.9. Able to facilitate learning to all team
- d.10. Able to coordinate for conference, workshop..
- d.11. Able to innovate or create

3- Contents

<i>Topic</i>	No. of hours	Lecture	Tutorial/practical
Enterobacteriaceae	7	4	3
Fowl cholera	4	2	2
Coryza	4	2	2
O.R.T	4	2	2
Mycoplasma	6	3	3
Clostridia	4	2	2
Strept and staph infection	4	2	2
T.B	4	2	2
Other bacterial causes of diseases	4	2	2
Newcastle disease	4	2	2
Avian influenza	4	2	2
Infectious bronchitis	4	2	2
Infectious laryngo trachitis	4	2	2
Avian pox	4	2	2
Pnemovirus	4	2	2
Adenovirus	6	3	3
Duck virus	4	2	2
Avian encephala mylitis	4	2	2
Duck virus enteritis	4	2	2
Avian leucosis	3	1	2
Marek's disease	2	1	1
Reticulendotheliosis	2	1	1
Total	90	45	45

4- content-ILOs matrix

Content	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Enterobacteriaceae	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Fowl cholera	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Coryza	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
O.R.T	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Mycoplasma	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Clostridia	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Strept and staph infection	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
T.B	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Other bacterial causes of diseases	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Newcastle disease	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Avian influenza	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Infectious bronchitis	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Infectious laryngo trachitis	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Avian pox	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Pnemovirus	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Adenovirus	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Duck virus	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Avian encephalomyelitis	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,11
Duck virus enteritis	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10

Avian leucosis	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,1 1
Marek's disease	1,2,3	1,2,3,4	1,2,3,4,5	3,4,6,9,10
Reticulendotheliosis	1,2,3	1,2,3,4	1,2,3,4,5	1,2,5,7,8,1 1

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Term work			1,2,3,4,5	1,2,3,4,5,6,7,8,9,10,11
Mid term exam	1,2,3	1,2	1,2	
Practical exam		1,2,3,4	1,2,3,4,5	
Written exam	1,2,3	2,3	3,5	
Oral exam	1,2,3		3,5	4

6- Teaching and learning methods :

- 6.1. Lectures.
- 6.2. Practical session
- 6.3. Field trips.
- 6.4. Preparing assays and seminars.

7- Student assessment methods:

- 7.1. Practical exam to assess professional and practical skills
- 7.2. Oral exam to assess knowledge, information and intellectual skills
- 7.3. Written exam to assess knowledge, information and intellectual skills
- 7.4. Assignment to assess management of clinical cases.

Assessment schedule :

Assessment 1 Mid term exam	Week 7
Assessment 2 Practical exam	Week 12
Assessment 3 Written exam	Week 15
Assessment 3 Oral exam	Week 15
Assessment 4 Term work (assignment)	Week 4

8. Weighting of assessments :

Mid term Examination	5 %
Final- term examination	50 %
Oral examination	15 %
Practical examination	20 %
Semester Work (Assignments)	5 %
Other types of assessment	5 %
Total	100

Any formative only assessments

9- List of references

9.1. Course notes:

9.2. Essential books (text books)

- Poultry diseases POULTRY DISEASE 5TH Edition 1998
Frank Jordan
- Diseases of poultry 11th Edition 2003, by Y.M.Saif 2003 Iowa
State Press

9.3. Recommended books:

- Poultry diseases POULTRY DISEASE 5TH Edition 1998

Frank Jordan

- Diseases of poultry 11th Edition 2003, by Y.M.Saif 2003 Iowa State Press

9.4. Periodicals, Web sites,..... etc

- www.worldpoultry.com
- www.poultrysite.com

10- Facilities Required for Teaching and Learning

- Clinical teaching cases
- Use of microscope to diagnose parasitic and mycotic diseases
- Experimental and laboratory animals
- Datashow and computers.

11. Course Coordinators:

Prof. Dr. Magda Mohamed Ali.

Prof. Dr. Amal H.T. Abdel- Naser.

Prof. Dr. Ahmed Eissa.

Prof. Dr. Kamel Zian.

Prof. Dr. Ibrahim El-Boraey.

Dr. Mohammed El-Shorbagy.

Head of Department:

Prof. Dr. Ahmed Eissa Mohamed Saad.

Date