

Specification for Poultry Diseases course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Poultry Diseases

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	Poultry Diseases
2.	Course code	505 (A) I
3.	Level	5 th year
4.	Semester	First semester
5.	Total hours	5
6.	Lecture hours	2
7.	Practical hours	3

C-Professional Information

1- Course learning objectives

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 the course (ILOs):

a- Knowledge and understanding

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

- a.1. Mention various causes of poultry diseases, their pathogenesis, macroscopic and microscopic pathological lesions, and laboratory diagnosis.
- a.2. Identify the most appropriate diagnosis and differential diagnosis of poultry diseases .
- a.3. Describe 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 have the following skills

- d1- Searching and presentation skill
- d2- Communication skill
- d3- Cooperate with other veterinary poultry farms in the field.
- d4- Search for new technological methods for practical diagnosis
- d5- problem solving skill

3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A Knowledge and understanding	a ¹¹
B Intellectual skills	b ¹²
C Professional and practical skills	c ⁷
D General and transferable skills	d ^{1,3,5,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Enterobacteriaceae	4	3
Fowl cholera	2	2
Coryza	1	2
O.R.T	1	2
Mycoplasma	1	2
Clostridia	1	2
Pasteurella	1	2
Avian chlamydiosis	1	2
Spirochetosis	1	1
Other bacterial causes of diseases	1	2
Newcastle disease	2	2
Avian influenza	2	2
Infectious bronchitis	2	2
Infectious laryngeal tracheitis	1	2
Avian pox	1	2
Pneumovirus	1	2

Adenovirus	1	2
Duck virus	1	2
Avian encephala mylitis	1	2
Duck virus enteritis	1	2
Avian leucosis	1	2
Marek's disease	1	2
Reticulendotheliosis	1	2
Total	30	45

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Enterobacteria cae	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Fowl cholera	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Coryza	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
O.R.T	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Mycoplasma	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Clostridia	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Strept and staph infection	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
T.B	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Other bacterial causes of diseases	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Newcastle disease	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Avian influenza	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Infectious bronchitis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Infectious laryngo trachitis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,d5
Avian pox	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4,

				d5
Pneumovirus	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Adenovirus	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Duck virus	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Avian encephalomyelitis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Duck virus enteritis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Avian leucosis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Marek's disease	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5
Reticuloendotheliosis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4, d5

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods								assessment method				
	L	P&M	D	P	Ps	Bs	Ft	semester	midterm	oral	practical	written	
K and U	a1	x	x	X	0	0	x	0	x	x	x	0	x
	a2	x	x	X	0	0	x	0	x	x	x	0	x
	a3	x	x	X	0	0	x	0	x	x	x	0	x
Intellectual skills	b1	x	x	X	0	x	x	0	x	x	x	0	x
	b2	x	x	X	0	x	x	0	x	x	x	0	x
	b3	x	x	X	0	x	x	x	x	x	x	0	x
	b4	x	x	X	0	x	x	x	x	x	x	0	x
Professional and practical skills	c1	0	x	X	x	x	0	x	x	0	x	x	0
	c2	0	x	X	x	x	0	x	x	0	x	x	0
	c3	0	x	X	x	x	0	x	x	0	x	x	0
	c4	0	x	X	x	x	0	x	x	0	x	x	0
	c5	0	x	X	x	x	0	x	x	0	x	x	0
General skills	d1	x	x	0	0	x	x	0	x	0	x	0	x
	d2	0	0	0	x	0	0	x	x	0	x	x	0
	d3	0	0	X	0	0	0	x	x	0	x	0	0
	d4	0	0	0	x	x	0	x	x	0	x	x	x
	d5	0	0	0	x	0	0	x	x	0	x	0	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars PT: Practical, Ps: Problem solving, Bs: Brain storming, Ft: field trip

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes:

Bacterial and Viral Diseases of Poultry for 5th grade students **edited by staff members**

6.2- Essential books (text books)

- J.L. Vegad (2016) Acolour Atlas Of Poultry Diseases.
- J.L. Vegad (2014) Poultry Diseases
- Y.M.Saif (2003) Diseases of poultry 11th Edition
- frank Jordan (2002) Poultry Diseases

6.3- Recommended books

- Course note.
- J.L. Vegad (2016) Acolour Atlas Of Poultry Diseases.
- frank Jordan (2002) Poultry Diseases

6.4- Periodicals, Web sites, . . . etc

- Veterinary Journal of Small Ruminants.
- American Journal of Veterinary Medical Association
- OIE, FAO, WHO.
- Benha veterinary medical journal
- www.OIE.int.org
- www.FAO.int.org
- www.WHO.int.org
- www.ekb.eg

7- Facilities required for teaching and learning

- Teaching hall (data show, white board).
- Equipped laboratory of veterinary medical diagnosis.
- Samples of veterinary drug and vaccine.
- Central laboratory for poultry disease diagnosis
- Central laboratory for experimental laboratory animals
- Poultry farm

Course coordinator: Prof. Dr. IBRAHIM ELBORAY

Head of department Prof. Dr. IBRAHIM ELBORAY

Signature

Date 1/10/2019