11- Department of Poultry Diseases

Course Specifications

Programme(s) on which the course is given: **Master degree**

Major or Minor element of programs: major

Department offering the program: **Faculty of Veterinary Medicine**

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

Academic year / Level: **Postgraduate Master degree**

Date of specification approval:

A- Basic Information

Title: viral diseases of poultry and rabbits.
Code: M1102
Lecture: two hour. **Practical:** two hours **Total:** four hours

B- Professional Information

1 – Overall Aims of Course

a. **Good application of principals and methods of Scientific research and use its different methods.**

b. **Application of the analytical method in the field of** viral diseases of poultry and rabbits

c. **Application of the specific knowledge in relation with other knowledge in the profession.**

d. **Discover the actual problems and the recent visions in the field of** viral diseases of poultry and rabbits

e. **Defining the professional problems and finding solutions.**

f. **Wide suitable special professional skills and using the suitable techniques in the field of** viral diseases of poultry and rabbits

g. **Active communication and the ability to lead work team.**

h. **Discussion making in the profession.**

i. **Using the available sources in order to obtain and keeping the highest values.**

j. **Awareness in society development and environmental preservation national and international**

k. **Transparency correctness and following the professional ethics.**

l. **Self academic and professional development and able for self learning.**

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

a1- theories and principals related to the study and other fields related to the field.
a2- the effect of the applications on the environmental.
a3- the scientific development in the field of specialty.
a4- Ethics and laws of the profession in the field of specialty.
a5- principals of quality control assurance in the profession in the field of specialty.
a6- Principals and Ethics of scientific researches .

b- Intellectual Skills

b1- Skills in analysis and evaluation in the field of specialty and solution of problems.
b2- Skills in solution of specific problems in case of shortage of resources .
b3- Skills in connection between different knowledge in solution of professional problems.
b4- Skills in research study or writing scientific paper about the research problems.
b5- evaluation of the risks in the profession in the field of specialty.
b6- planning for development of the performance in the field of specialty.
b7- decision making in the professional policy.

c- Professional and Practical Skills

c1- Good performance of recent professional principals in the field of specialty .
c2- Writing and evaluation of professional reports.
c3- Evaluation of techniques in the field of specialty .

d- General and Transferable Skills

d1-Different types of active communication .
D2-using of information technology on the behave of professional application .
d3-self assessment and renewing the self learning needs.
D4-uses of different resources for obtaining information and knowledge.
D5-rules and parameters for evaluation of team performance .
D6-working in leading team in the profession.
D7-time management.
D8-contiuing self learning.

3- Contents

week	Lecture Topics	Topic/ week	Practical topics	Topic/ week
1	Newcastle disease.	2hour	Sampling, isolation and identification of the virus.	2hours.
2	Avian influenza.	2hour	Sampling, isolation and identification of the virus.	2hours.
3	Infectious bronchitis.	2hour	Sampling, isolation and identification of the virus.	2hours.
4	Rabbit viral hemorrhagic disease.	2hour	Sampling, isolation and identification of the virus.	2hours.
5	Chicken infectious anemia.	2hour	Sampling, isolation and identification of the virus.	2hours.
6	Duck virus hepatitis	2hour	Sampling, isolation and identification of the virus.	2hours.
7	Avian leucosis/ sarcoma.	2hour	Sampling, isolation and identification of the virus.	2hours.
	Marek's disease.	2hour	Sampling, isolation and identification of the virus.	2 hours
8	Reticuloendotheliosis.	2hour	Sampling, isolation and identification of the virus.	2hours.
9	avian encephalomyelitis	2hour	Sampling, isolation and identification of the virus.	2 hours.
10	Pox virus infection.	2hour	Sampling, isolation and identification of the virus.	2 hours.
11	Malabsorption syndrome.	2hour	Sampling, isolation and identification of the virus.	2 hours.
	Viral arthritis	2hour	Sampling, isolation and identification of the virus.	
12	Infectious laryngiotracheities.	2hour	Sampling, isolation and identification of the virus.	2 hours.
13	Infectious bursal disease.	2hour	Sampling, isolation and identification of the virus.	2 hours.
14	Pneumovirus infection.	2hour	Sampling, isolation and identification of the virus.	2 hours.
15	duck virus enteritis	2hour	Sampling, isolation and identification of the virus.	2 hours.
16	Adenovirus virus infections, Hydropericardium hepatitis syndrome,	2hour	Sampling, isolation and identification of the virus.	2 hours.
17	Quail bronchitis.	2hour	Sampling, isolation and identification of the virus.	2 hours.
18	Egg drop syndrome.	2hour	Sampling, isolation and identification of the virus.	2 hours.
19	Inclusion body hepatitis	2hour	Sampling, isolation and identification of the virus.	2 hours.
20	Baby Chick Nephropathy(BCN)	2hour	Sampling, isolation and identification of the virus.	2 hours.
21	Rotroviral diarrhea.	2hour	Sampling, isolation and identification of the virus.	2 hours.

22	Lymphoproliferative disease of turkeys.	2hour	Sampling, isolation and identification of the virus.	2 hours.
23	Astroviruses.	2hour	Sampling, isolation and identification of the virus.	2 hours.
24	Rhinotracheitis in turkeys.	2hour	Sampling, isolation and identification of the virus.	2 hours.
25	Hemorrhagic enteritis of turkeys.	2hour	Sampling, isolation and identification of the virus.	2 hours.
26	Derzy's disease of geese	2hour	Sampling, isolation and identification of the virus.	2 hours.
27	Myxomatosis in rabbits.	2hour	Sampling, isolation and identification of the virus.	2 hours.
28	Herpes virus infection and pox in rabbits.	2hour	Sampling, isolation and identification of the virus.	2 hours.
29	Oral papilloma, Viral enteric diseases in rabbits	2hour	Sampling, isolation and identification of the virus.	2 hours.
30	Viral diseases of quails.	2hour	Sampling, isolation and identification of the virus.	2 hours.

4– Teaching and Learning Methods

4.1. Lecturers.

4.2. Practical lessons.

4.3. Discussion sessions.

4.4. Poultry farm visits.

5- Student Assessment Methods

5.1 Written exam to assess knowledge skills
5.2 Practical exam to assess professional skills

Assessment Schedule

Assessment 1 final exam. week
Assessment 2 practical exam. Week
Assessment 3 oral exam. Week

Weighting of Assessments

Final-term Examination	50 %
Oral Examination.	30 %
Practical Examination	20 %
Total	100 %

6- List of References

6.1- Course Notes.
6.1.1. Notes and hand out

6.2- Essential Books (Text Books)
6.2.1- diseases of poultry 12th Ed.

6.3- Recommended Books
6.3.1- Diseases of poultry: Calnek, B.W.
6.3.2- Avian Medicine and surgery: Altman. B; Susan, L.C.; Dorrestein, G.

and Katherine, Q

6.4- Periodicals, Web Sites,.. etc

7- Facilities Required for Teaching and Learning

7.1- Providing of class room with multi-media system.

7.2- Providing of class room with modern dissecting microscopy.

7.3 -providing of the laboratory with modern apparatus which used for tissue culture, genetic and molecular biology.

7.4- availability for field students and some facilities to make it for collecting of specimens.

Course Coordinator: Prof. Dr. Ahmed Ibrahim Ahmed

Head of Department: Prof. Dr. Ahmed Ibrahim Ahmed

Date: / /