

Pathology B

Benha University

Faculty of veterinary medicine

Programme(s) on which the course is given :**Bachelor of veterinary medical science**

Department offering the course

Department of pathology

Academic year / level

4th year, 2nd semester

Date of specification approval ministrel decree No 921, on 15/9/1987

(Then approved in this template by department council on 23 / 2 / 2006)

A- Basic Information

Title: Pathology of viral and Mycotic Diseases

Code: vet 00646b

Lecture: 2 hour

Practical: 2 hours

Total: 4 hours

B- Professional Information

1- Overall aims of course

The aim of the course is to provide the students with a basic education about the pathology of the most common viral and mycotic diseases affecting the domestic animals, poultry and fish. Also, enable the students to gain the skills of postmortem technique and histopathological examination of different body organs.

2- Intended learning outcomes of the course (ILOs)

a- Knowledge and understanding

- a1- Basic information about different viral and mycotic diseases affected various animal, poultry and fish species.
- a2- Basis of the Pathogenesis of these diseases.
- a3- Basis knowledge of Postmortem and microscopic lesions.
- a4- Basis of differential diagnosis of the common diseases affecting various animal, poultry and fish species.
- a5- Awareness about the complication and prognosis of different diseases.

b- Intellectual skills

- bl- differentiate between different diseases affecting various animal, poultry and fish species.

b2- handle tissue specimens for histopathological examination.

b3- Interpret of the P. M and histopathological reports.

b4- use different staining techniques of tissue sections.

c- Professional and practical skills

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

c 1- perform PM techniques for different animal and poultry species.

c2- Prepare and handle the tissue specimens for histopathological examination.

c3- differentiate between various diseases.

d- General and transferable skills

d1- Able to become one of successful Pathologist.

d2- Able to write and read PM and histopathological reports.

d3- Scientific Pathological terms.

d4- Able to make presentation of PM and histopathological cases

3- Contents

| Topic | No. of hours | Lecture | Practical |
|---|--------------|-----------|-----------|
| Pathology of viral diseases of farm animals | 15 | 7 | 8 |
| Pathology of viral diseases of equines | 9 | 5 | 4 |
| Pathology of viral diseases of poultry | 8 | 4 | 4 |
| Pathology of viral diseases of pets | 4 | 2 | 2 |
| Pathology of viral diseases of fish | 4 | 2 | 2 |
| Pathology of mycotic diseases of farm animals | 5 | 3 | 2 |
| Pathology of mycotic diseases of equines | 4 | 2 | 2 |
| Pathology of mycotic diseases of poultry | 4 | 2 | 2 |
| Pathology of mycotic diseases of pets | 4 | 2 | 2 |
| Pathology of mycotic diseases of fish | 3 | 1 | 2 |
| Total | 60 | 30 | 30 |

4- Teaching and learning methods

- 4.1- Positive slides.
- 4.2- Photographic of the pathognomonic macroscopic and microscopic lesions in different diseases.
- 4.3- Data show presentations.
- 4.4- PM examination of dead birds and animals

5- Student assessment methods

- 5.1 Practical exam to assess professional and practical skills.
- 5.2 Oral exam to assess knowledge and information and intellectual skills.
- 5.3 Written exam to assess knowledge, information and intellectual skills.
- 5.4 Mid-term exam Mid-term exam to assess knowledge and understanding.

Assessment schedule

| | |
|--------------------|------------|
| Assessment 1..... | Week 7, 10 |
| Assessment 2 | week 15 |
| Assessment 3..... | Week 15 |
| Assessment 4..... | Week 12 |

Weighting of assessments

| | |
|------------------------|------|
| Mid term examination | 9 % |
| Final term examination | 50 % |
| Oral examination | 25 % |
| Practical work | 16 % |
| | |
| Total | 100% |

6- List of references

6.1- Course notes

- Specific Pathology " Viral and mycotic diseases"

6.2- essential books (Text books)

- Thomson's Special Pathology, W.W. Carlton and M D. McGavin, 1995

- Veterinary Pathology T.C. Jones and R.D. Hunt, 1983

6.3- Recommended books

- Pathology of Domestic animals, K.V. Jubb, P.C.Kennedy and N. Palmer, 1993
- Colour atlas of Avian Histopathology, C. J. Randall and R. L. Reece, 1996
- Fish Pathology, R. J. Roberts, 1989

6.4- Periodicals, Web Sites, ... etc

- Veterinary Pathology.
- Avian Pathology

7- Facilities required for teaching and learning

- Student microscopes
- Histopathologic laboratory.
- Routine chemicals for histopathological staining techniques
Routine equipments for PM techniques.
- Experimental and laboratory animals and cages.
- Data show and computer lab. And Digital Camera.
- Incinerator and Cooling Room and refrigerator

Course coordinator:

- Prof Dr. Mahmoud S. Gab Allha

Head of department:

Prof Dr. Mahmoud S. Gab Allha

Date: