Pathology A

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, 1st semester
Date of specification approval minstrel decree No 921, on 15/9/1987
(Then approved in this template by department council on 23 / 9/ 2008)

A- Basic Information

Title: Pathology of Bacterial and Parasitic Diseases          Code: Vet 00646a
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 bacterial and parasitic 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 bacterial and parasitic 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

After successful completion of the course the students should be able to:
b1- distinguish between different bacterial and parasitic diseases affecting various animal, poultry and fish species.
b2- handle tissue specimens for histopathological examination.
b3- Interpret 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:
c1- 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 histopathologicl cases

3- Contents

<table>
<thead>
<tr>
<th>Topic</th>
<th>No. of hours</th>
<th>Lecture</th>
<th>Practical</th>
</tr>
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<tbody>
<tr>
<td>Pathology of bacterial diseases of farm animals</td>
<td>15</td>
<td>7</td>
<td>8</td>
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<tr>
<td>Pathology of bacterial diseases of equines</td>
<td>9</td>
<td>5</td>
<td>4</td>
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<td>Pathology of bacterial diseases of poultry</td>
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<tr>
<td>Pathology of bacterial diseases of pets</td>
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<tr>
<td>Pathology of bacterial diseases of fish</td>
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<tr>
<td>Pathology of parasitic diseases of farm animals</td>
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<td>Pathology of parasitic diseases of fish</td>
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| 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

<table>
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<tr>
<th>Assessment</th>
<th>Week</th>
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<tbody>
<tr>
<td>Assessment 1</td>
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<tr>
<td>Assessment 2</td>
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<td>Assessment 3</td>
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<td>Assessment 4</td>
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Weighting of assessments

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<tr>
<th>Assessment</th>
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<tr>
<td>Mid term examination</td>
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<tr>
<td>Final term examination</td>
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</tr>
<tr>
<td>Oral examination</td>
<td>25</td>
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<tr>
<td>Practical work</td>
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<tr>
<td>Semester work</td>
<td>4</td>
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<tr>
<td>Total</td>
<td>100</td>
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6- List of references

6.1- Course notes

- Specific Pathology “Bacterial and Parasitic diseases"

6.2- essential books (text books)

- Thomson's Special Pathology, W.W. Carlton and M D. McGavin, 1995
6.3- Recommended books
- Pathology of Domestic animals, K.V. Jubb, P.C.Kennedy and N. Palmer, 1993
- 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: