Pathology A

Benha University   **Faculty of Veterinary Medicine**
Course Specifications

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

Department offering the course: **Department of Pathology**

Academic year / Level: **Third Year, 1ˢᵗ semester**

Date of specification approval: Ministerial decree No. 921 on 15/ 9/ 1987 (approved in this template by the Department Council on 23/ 10 /2008)

A- Basic Information
   Title: General Pathology   Code   : Vet 00636a
   Lecture: 2 hours/week
   Practical: 5 hours/week   **Total:** 7 hours/week

B- Professional Information
   1 – Overall Aims of the Course:

   The aim of the course is to provide the students with a basic education about the general pathology which is concerned about the basic abnormal alterations in the cells and tissues as a result of diseases. The course also aims to enable the students to gain the skills of histopathological techniques.

   2 – Intended Learning Outcomes of the Course (ILOs)

   a- Knowledge and Understanding:
       After successful completion of the course the students should be able to:

           a1- Basic information about General Pathology
           a2- Basis of the causes and pathogenesis of different lesions.
           a3- Basis knowledge of Postmortem and microscopic lesions.
           a4- Awareness about the significance and fate of different lesions.

   b- Intellectual Skills:
       After successful completion of the course the students should be able to:
       b1- Handle tissue specimens for histopathological examination.
       b2-Use routine and special staining techniques of tissue sections.
       b3-Interpret the most important pathological changes in cells and tissues of the body.

   c- Professional and Practical Skills
       After successful completion of the course the students should be able to:
       c1- Prepare and handle the tissue specimens for histopathological examination.
       c2- Differentiate between various lesions.

d- General and Transferable Skills

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

d1- Use Scientific Pathological terms.

d2- Make presentation of different histopathologicl lesions

d3- Make computer search and use the library to search for information.

3- Contents:

Topic	No. of hours	Lecture	Tutorial/Practical
Inflammation	28	7	21
Disturbance in circulation	20	5	15
Disturbance in metabolism	31	10	21
Disturbance in cell growth	13	4	9
Necrosis, gangrene and PM changes	13	4	9
Total	105	30	75

4– Teaching and Learning Methods:

4.1- Lectures

4.2-Histopathological slides using light microscopes

4.3-Positive slides using slide projector.

4.4-Photographs of the pathognomonic macroscopic and microscopic lesions.

4.5- Data show presentations.

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.

Assessment Schedule

Assessment 1… Practical Exam   week …13

Assessment 2 …Oral Exam   week …15

Assessment 3… Written exam   week …15

Weighting of Assessments

Mid-Term Examination   5 %

Final-term Examination   50 %

Oral Examination.   25 %

Practical Examination   16 %

Semester Work	4 %
Total	100%

6- List of References

6.1- Course Notes
General Veterinary Pathology
Staff Members of the Pathology Department

Practical histopathology (Part 1)
Staff Members of the Pathology Department

6.2- Essential Books (Text Books)
Thomson's General Pathology
Veterinary Pathology , T. C. Jones and R. D. Hunt, 1983

6.3- Recommended Books
Colour Atlas of Histopathology . R.C. Curran, 1985

6.4- Periodicals, Web Sites, … etc
Veterinary Pathology.
www.IVIS.org

7- Facilities Required for Teaching and Learning
- Student microscopes
- Histopathologic laboratory.
- Routine chemicals for histopathological staining techniques
- Data show and computer lab.
- Digital Camera.
- Caryostate and automatic tissue processing unit

Course Coordinators:
Prof. Dr. Mahmoud S. Gab Allha, Professor and Head of Pathology Department
Prof. Dr. Abd El-Rhiem An . Nagi, Professor of Pathology.
Prof Dr. Abd Elbaset I. El-Mashad, Professor of Pathology.
Prof. Dr. Shawky A. A. Moustafa, Professor of Pathology.
Dr. Ahmed A. A. Tantawy, Assistant Professor of Pathology.

Head of the Department:

Prof Dr. Mahmoud S. Gab Allha

Date: