

Pathology B

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, 2nd semester**

Date of specification approval: Ministerial decree No. 921 on 15/ 9/ 1987 (approved in this template by the Department Council on 23/2 /2009)

A- Basic Information

Title: Systemic Pathology

Code: Vet 00636b

Lecture: 2 hours/week

Practical: 5 hours/week

Total: 7 hours/week

B- Professional Information:

1 – Overall Aims of the Course:

Are to provide the students with a basic education about the systemic pathology which is concerned with the basic alterations in the tissues of different body systems as a result of diseases. And enable the students to gain the skills for histopathological diagnosis of neoplasm.

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 systemic Pathology
- a2- Mention the causes and pathogenesis of common lesions in different body organs.
- a3- Basis knowledge of Postmortem and microscopic lesions.
- a4- Tell the significance and fate of different lesions in different body systems.
- a5- Basic information about oncology including causes, macroscopic and microscopic features and fate of different types of neoplasm..

b- Intellectual Skills

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

- b1-Differentiate between different types of neoplasm.
- b2-Handling tissue specimens for histopathological examination.
- b3-Use routine and special staining techniques of tissue sections.
- b4-Interpret the most important pathological changes in different tissues of the body

b5-Determine the pathogenesis, macro- and microscopic lesions as well as the fate of different pathological changes in the body systems.

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 neoplasm..

d- General and Transferable Skills

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

d1- Use the Scientific Pathological terms.

d2- Make presentation of different gross and histopathological lesions of neoplasm.

d3- Make presentation of different macroscopic and microscopic lesions in the body organs.

3- Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Pathology of neoplasm	23	7	16
Pathology of digestive system	14	4	10
Pathology of respiratory system	12	4	8
Pathology of cardiovascular system	11	3	8
Pathology of urinary system	11	3	8
Pathology of male genital system	6	2	4
Pathology of female genital system	11	3	8
Pathology of nervous system	8	2	6
Pathology of haemopoietic system	6	1	5
Pathology of Skin	3	1	2
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-Photographic of the pathognomonic macroscopic and microscopic lesions of neoplasm and different organs.
 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

Systemic Veterinary Pathology
 Staff members of Pathology Department
Practical Histopathology (Part 2)
 Staff members of Pathology Department

6.2- Essential Books (Text Books)

Pathology of Domestic animals, K.V. Jubb, P.C.Kennedy and N. Palmer ,
 (1993) Veterinary Pathology T.C. Jones and R.D. Hunt, 1983

6.3- Recommended Books

Text Book of Veterinary Systemic Pathology, J. L. Vegad and A. K.
 Katiyar, (2004)
 Colour Atlas Of Veterinary Pathology, J.M.V.M. Mouwen and E.C.B. M de
 Groot, (1982)

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.
- Chemicals for immunopathology and histochemistry.

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: