

University: Damanhur
Department: Pathology and Parasitology

Faculty: Veterinary Medicine

Pathology Course Specifications (2010 - 2011)

Program(s) on which the course is given: BVSc
Department offering the program: ---
Department offering the course: Pathology and Parasitology
Major or Minor element of programs: Major
Academic year /Level: 3rd Year 1st and 2nd semesters
Date of specification approval:

A. BASIC INFORMATION

Title: Pathology **Code:** 3APATH, 3BPATH
Hours:

Lectures 4 hrs/week	Practical 4 hrs/week	Total 240 hrs
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B. PROFESSIONAL INFORMATION

1. Overall aims of the course:

- Knowledge: about the basic alterations and deviations than the normal anatomic, histologic, biochemical and physiologic limits in the body in relation to various causative agents.
- Skills: assisted for diagnostic program in various individual cases as well as outbreaks of diseases by biopsy, postmortem and histopathologic examination.

2. Intended Learning Outcomes (ILOs) of the Course:

a. Knowledge and Understanding:

- a1** Morphopathologic changes that may diagnostic for diseased conditions in morbid or dead animals.
- a2** Basic and characteristic lesions (tissue alterations) as a means for the exact diagnosis for the diseased condition and/or the causative agents.

b. Intellectual Skills:

- b1** Comparative criteria between the various characteristic gross or macroscopic lesions.
- b2** Comparative criteria between the various characteristic or pathognomonic tissue alterations (microscopic).
- b3** Give the final identification and diagnosis for the pathologic condition to help in solving measures.

c. Professional and Practical Skills:

- c1** Roles in detecting and identifying the lesions, by gross observations (by using dissecting tools for biopsy and postmortem examination) or by microscopic examination (using histopathologic techniques and light microscopy).

d. General and Transferable Skills:

- d1** Good communications.
d2 Use of new technology.
d3 Group working, good management and problem solving ability.

3. Contents:

1st Semester			
Topic	No. of hours	Lectures	Practical
General Pathology			
Disturbances in cell metabolism	20	10	10
Disturbances in circulation	20	10	10
Disturbances in growth	20	10	10
Oncology	30	15	15
Inflammation and immunopathology	30	15	15
2nd Semester			
Systemic Pathology			
Pathology of the digestive system	16	8	8
Pathology of the respiratory system	14	7	7
Pathology of the Cardiovascular system	12	6	6
Pathology of the urinary system	12	6	6
Pathology of the hemopoietic system	12	6	6
Pathology of the nervous system	12	6	6
Pathology of the female genital system	10	5	5
Pathology of the male genital system	10	5	5
Pathology of the integumentary system	10	5	5
Pathology of the musculoskeletal system	12	6	6
Total	240	120	120

4. Teaching and Learning Methods:

- 4.1** Lectures and practical of every topic in the course.
4.2 Information updating from textbooks.
4.3 Field cases (morbid or dead animals from farms and villages).
4.4 Slide shows

5. Student Assessment Methods:

Exam		
5.1	Written Mid-term	To assess the ability to understand and remember knowledge, and intellectual skills
5.2	Written Final-term	To assess the ability to understand and remember knowledge, and intellectual skills
5.3	Practical Final-term	To assess professional and practical skills
5.4	Oral Final-term	To assess skills of analysis and discussion

Assessment Schedule (in each semester):

	Exam	Week
Assessment 1	Written Mid-term	8 th
Assessment 2	Written Final-term	16 th
Assessment 3	Practical Final-term	16 th
Assessment 4	Oral Final-term	16 th

Weighing of assessments

	Exam	Per Semester (%)	Total (%)
Assessment 1	Written Mid-term	10	20
Assessment 2	Written Final-term	25	50
Assessment 3	Practical Final-term	10	20
Assessment 4	Oral Final-term	5	10
	Total	50	100

6. List of References:

6.1. Course Notes:

- Departmental notes by Pathology staff members

6.2. Essential Books:

- Runnels, R.A.; Monlux, W.S. and Monlux, A.W. (Textbook of Principles of Veterinary Pathology).
- Smith, H.A.T., Jones, T.C. and Hunt, R.D. (Textbook of Veterinary Pathology)

6.3. Recommended Books:

- Cohrs, P. (Special Pathological Anatomy OF Domestic Animal).

6.4. Periodicals, websites, etc

- Slideshows and publications available at many scientific departments' websites.

7. Facilities Required for Teaching and Learning

- PM room
- Datashow, audio-visual facilities and closed circuit TV
- Tissue processor
- Microscopes
- Laptops

Course Coordinator: Prof. Dr. Abdelrahman Abou-Rawash

Head of Department: Prof. Dr. Abdelrahman Abou-Rawash

Date: