



كلية الطب البيطري



جامعة أسيوط

Relevant Programme: Bachelor of veterinary medical sciences

Department offers the course: Pathology and Clinical Pathology

Scholar year: 2022-2023

Course Specifications

A- Basic Information		
Title: Pathological diagnosis of farm animal diseases	Code: PSEC05	Level: (Elective course)
Theoretical: 1 h	Tutorial/Pract: 2 h	Total Credit hours: 2 h
B- Professional Information:		
1-Aims:	<u>Upon completion of this course, the students should be:</u> <ul style="list-style-type: none">- Recognize the fundamental concepts and principles of pathological diagnosis of farm animal diseases.- Develop skills in specimen's collection, preservation, and preparation for histopathological diagnosis.- Determine and interpret the gross and histopathological lesions associated with common diseases of farm animals.- Utilize knowledge of pathogenesis and pathological alterations to differentiate between different diseases affecting farm animals.	
2 – Intended Learning Outcomes (ILOs)		
A. Knowledge and Understanding :	<ol style="list-style-type: none">1. Gain knowledge about the etiology, pathogenesis, and pathological lesions (gross and microscopic) of various diseases affecting farm animals.2. Develop a deep understanding of the techniques and procedures involved in the postmortem examination and histopathological evaluation of farm animal	

	<p>tissues.</p> <p>3. Understand the role of laboratory diagnostics, including ancillary tests such as immunohistochemistry and molecular techniques, in the pathological diagnosis of farm animal diseases.</p>
B. Intellectual Skills	<p>1. Develop critical thinking skills to analyze and interpret pathological findings in farm animal cases.</p> <p>2. Integrate clinical history, laboratory findings, and pathological observations to arrive at a definitive diagnosis.</p> <p>3. Differentiate between pathological features (gross & microscopic) of different diseases.</p> <p>4. Encourage problem-solving skills to recognize and resolve diagnostic challenges in farm animal pathology.</p>
C. Professional Skills	<p>1. Construct the skills to select the most appropriate diagnostic techniques.</p> <p>2. Develop proficiency in performing postmortem examinations on farm animals and accurately documenting findings.</p> <p>3. Acquire skills in gross and microscopic examination of farm animal tissues to identify and describe pathological lesions.</p> <p>4. Demonstrate proper precautions during handling tissue specimens and slides.</p> <p>5. Understand the importance of ethical considerations and professional conduct in veterinary pathology practice</p>
D. General Skills	<p>1. Communicate efficiently with colleagues and staff members.</p> <p>2. Tolerate an appropriate attitude and manners that reflect the credibility and stickiness to the roles and code of ethics.</p> <p>3. Develop teamwork and collaboration skills through participation in group discussions, case studies, and practical exercises.</p> <p>4. Improve time management and organizational skills to handle multiple diagnostic cases efficiently.</p> <p>5. Use efficiently different sources of information to get relevant knowledge.</p> <p>6. Use properly the internet & information technology for research, self-development and continuous learning.</p> <p>7. Enhance communication skills to effectively convey complex pathological concepts to diverse audiences, including fellow professionals and animal owners.</p>

3- Contents

Topic	Lectures hours/week)	Practical hours/week
Introduction to pathology and its role in diagnosing farm animal diseases.	2	4
Postmortem examination techniques and lesion description.	2	4
Histopathological techniques and interpretation of findings.	2	4
Pathology of various diseases affecting farm animals.	3	6
Ancillary laboratory diagnostic techniques	3	6

4- Teaching and Learning Methods	<ul style="list-style-type: none">• Lectures using data shows.• Practical sessions.- Laboratory for microscopic examination.- PM room for gross examination.- Museum jars.
---	--

5 – Teaching and Learning methods for Disables students	Not applicable
--	-----------------------

6- Teaching and Learning Methods for Distinguished students	Not applicable
--	-----------------------

7- Student Assessment

Tools	Time Schedule	Grading System
Mid-term Exam	7 th week	20 Marks
Practical Exam	14 th week	20 Marks
Oral Exam	End of semester	10 Marks
Final Theoretical Exam	End of Semester	50 marks

8- List of References

Course Notes	Departmental note
Required Books (Text Books)	- Pathologic Basis of Veterinary Disease, James F. Zachary, Elsevier, 3251 Riverport Lane, St. Louis, Missouri 63043 - J.L.Vegad (2017) A text book of veterinary special pathology.

Recommended Books	Veterinary Pathology, Jones TC, Hunt RD and King NW, Williams & Wilkins, Pennsylvania, USA
Periodicals, Web Sites, ... etc	- Veterinary Pathology (https://journals.sagepub.com/home/vet) - Veterinary Clinical Pathology (https://onlinelibrary.wiley.com/journal/1939165x) - Comparative Clinical Pathology (https://www.springer.com/journal/580)
9- Facilities Required for Teaching and Learning: Data show, microscopes, computers with an internet access.	

Date: 5 / 10 / 2022

Course coordinator	Head of the Department	Program Director & College Dean
Dr. Nashwa Hamad	Prof. Khaled Radad	Prof. Madeha Hosni
