



Pathology

DIPLOMA COURSE SPECIFICATION

A. BASIC INFORMATION

University:	University of Sadat City
Faculty:	Veterinary Medicine
Program on which the course is given:	Diploma of Farm Animal Diseases
Department offering the Course:	Pathology
Course code:	923
Course title:	Pathology
Lecture (hour/week):	1
Practical (hour/week):	1
Course coordinator:	Dr. Anis Anis

B. PROFESSIONAL INFORMATION

1) Overall aims of course

The course aims to give graduates the basics of pathology, principles of disturbance in cell metabolism and inflammation.

Study pathologic basis of diseases affecting farm animals.

2) Intended learning outcomes of course (ILOs)

a) KNOWLEDGE AND UNDERSTANDING

By the end of this course, the graduate should be able to:

- a.1. Describe different types of Disturbances in cell metabolism.
- a.2. Understand the different types of inflammations, its causes and pathogenesis.
- a.3. Clarify healing and repair and factors affecting on them.
- a.4. Explain the pathological changes of different bacterial, viral, parasitic and mycotic diseases by macro- and microscopical examination.
- a.5. Indicate the pathological lesions in different organs of animal's body and correlate them with their etiology.

b) INTELLECTUAL SKILLS

By the end of this course, the student should be able to:

- b.1. Diagnosis the problems among animal that led to presence of histopathological lesions.
- b.2. Differentiate between different types of inflammation.
- b.3. Identify the mechanism of cell and tissue repair.
- b.4. Correlate between the occurrence of disease and their histopathological lesions.

c) PROFESSIONAL AND PRACTICAL SKILLS

By the end of this course, the student should be able to:

- c.1. Practice histopathological diagnosis and interpretation.
- c.2. Apply postmortem examination.

d) GENERAL AND TRANSFERABLE SKILL

By the end of this course, the student should be able to:

- d.1. join with team efficiently.
- d.2. handle library services and IT tools.
- d.3. Improve computer / keyboard skills including word
- d.4. Create effective presentation.

3) Topics and contents

Topic	No. of hours		
	Lectures	Practical	Total
Disturbances of cell metabolism	6	6	12
Inflammation	6	6	12
Acute bacterial diseases	4	4	8

Chronic bacterial diseases	4	4	8
Mycotic diseases	8	8	16
Parasitic diseases	8	8	16
Viral diseases	8	8	16
total	44	44	88

ξ) Teaching and learning methods

- 4.1. Lectures.
- 4.2. Practical.
- 4.3. Self-learning activities.

ο) Student assessment

a. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills
2- Practical examination	For assessment of practical and professional skill.
3- Oral examination	For assessment of knowledge and Intellectual skills
4- Student activities	For assessment of knowledge and general and transferable skills

b. MATRIX ALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

	K.U (a)	I.S (b)	P.P.S (c)	G.S (d)
Written exam	1-5	2,3,4		-
Practical exam			1-2	-
Oral exam	2,3,4	1,2,3		-
Student activities (assay, seminar, etc.)	1,2,5	1,4		1-4

c. WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
Final written exam	50%	Marked and signed written paper
Practical exam	20%	Marked and signed practical exam paper
Oral exam	20%	Signed list of oral exam marks

Student assignments	10%	Representative samples of presented materials
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٦) List of references

6.1. Department notes:

) Department theoretical books and practical manual.

6.2. Essential books

) Text book of veterinary pathology. 5th ed. Jones, C.T. and Hunt, D.R. (1983).

) Veterinary pathology. 6th ed. Jones, C.T.; Hunt, D.R. and King, W.N. (1997).

) Pathology of domestic animals. 4th ed. Vol. 2. Jubb K.V.F.; Kennedy P.C. and Palmer N. (1993).

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6.3. Journal & websites:

) Research.vet.upenn.edu

) Vetpath.wordpress.com

) American journals of veterinary pathology

) Science direct

) Eulc.edu.eg

	Course coordinators	Head of department
Name	Dr. Anis Anis	Prof. Dr. Shaaban Gadallah
Signature		

Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours	Hours for lect.	Hours for pract.	ILOs				T&L.methods				
	Lect.	Pract.				K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)	Lect.	Pract.	Self & active leaning	Audiovisual	Case study
Disturbances of cell metabolism	1	1	12	6	6	1	1,4	1,2	1,2,3,4,	√	√			
Inflammation	1	1	12	6	6	2,3	2,3	1,2	1,2,3,4	√	√	√		
Acute bacterial diseases	1	1	8	4	4	4,5	1,4	1,2	1,2,3,4	√	√	√		
Chronic bacterial diseases	1	1	8	4	4	4,5	1,4	1,2	1,2,3,4	√	√			√
Mycotic diseases	1	1	16	8	8	4,5	1,4	1,2	1	√	√	√		
Parasitic diseases	1	1	16	8	8	4,5	1,4	1,2	1,2,3	√	√	√		
Viral diseases	1	1	16	8	8	4,5	1,4	1,2	1	√	√			√