

Specification for General Pathology course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Pathology

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	General Pathology
2.	Course code	307 (A) I
3.	Level	3 rd year
4.	Semester	First semester
5.	Total hours	4
6.	Lecture hours	2
7.	Practical hours	2

C-Professional Information

1- Course learning objectives

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- Define and identify Inflammation, pathological forms associated with circulation, metabolism and cell growth as well as Necrosis and gangrene
- a2- Recall the causes and pathogenesis of different lesions.
- a3- Describe the postmortem and microscopic lesions.
- a4- Mention the significance and fate of different lesions

b- Intellectual skills

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

- b1- Differentiate between various lesions.
- b2-link between the cause and pathological lesion.
- b3-Interpret the most important pathological changes in cells and tissues of the body
- b4-correlate between macroscopic and microscopic lesion

c- Professional and practical skills

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

- c1- Collect and Prepare the tissue specimens for histopathological examination.
- c2- Apply routine and special staining techniques of tissue sections
- c3- examine macroscopic and microscopic changes
- c4-write a report about pathological lesions

d- General and transferable skills

After successful completion of the course the students should have the following skills

- d1- Searching skill.
- d2- Team working skill
- d3-Presentation skill
- d4- Report writing skill

3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A Knowledge and understanding	a ⁷
B Intellectual skills	b ¹⁵
C Professional and practical skills	c ⁴
D General and transferable skills	d ^{1,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Inflammation	6	10
Disturbance in circulation	6	6
Disturbance in metabolism	8	6
Disturbance in cell growth	6	4
Necrosis, gangrene and PM changes	4	4
Total hours	30	30

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Inflammation	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Disturbance in circulation	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Disturbance in metabolism	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4

Disturbance in cell growth	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Necrosis, gangrene and PM changes	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods						assessment method				
	L	P&M	D	P	Ps	Bs	semester	midterm	oral	practical	written
and understanding	a1	x	x	x	0	0	x	x	x	0	x
	a2	x	x	x	0	0	x	x	x	0	x
	a3	x	x	x	0	0	x	x	x	0	x
	a4	x	x	x	0	0	x	x	x	0	x
Intellectual skills	b1	x	x	x	0	x	x	x	x	0	x
	b2	x	x	x	0	x	x	x	x	0	x
	b3	x	x	x	0	x	x	x	x	0	x
	b4	x	x	x	0	x	x	x	x	0	x
al and practical	c1	0	x	x	x	x	0	x	0	x	0
	c2	0	x	x	x	x	0	x	0	x	0
	c3	0	x	x	x	x	0	x	0	x	0
	c4	0	x	x	x	x	0	x	0	x	0
General skills	d1	x	0	x		x	x	x	0	x	0
	d2	0	0	0	x	0		x	0	x	0
	d3	0	x	0	0	0	0	x	0	x	0
	d4	0	0	0	x	0	0	x	0	x	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars PT: Practical, Ps: Problem solving, Bs: Brain storming

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes:

General Veterinary Pathology and Practical histopathology edited by Staff Members of the Pathology department

6.2- Essential books (text books)

- J.L.Vegad (2018) A text book of veterinary general pathology.
- Genti A. Sastry (2010) veterinary pathology
- D Gopalakrishna Rao (2009) Introduction to General Veterinary Pathology.

6.3- Recommended books

- **Course note.**
- Genti A. Sastry (2010) veterinary pathology
- D Gopalakrishna Rao (2009) Introduction to General Veterinary Pathology.

6.4- Periodicals, Web sites, . . . etc

- Veterinary Pathology.
- www.IVIS.org.
- www.ekb.eg

7- Facilities required for teaching and learning

- Data show.
- White board.
- Histopathologic laboratory
- Histopathological examination unit
- Educational farm
- Central laboratory

Course coordinator: Prof Dr. Abd Elbaset I. El-Mashad.

Head of department Prof Dr. Abd Elbaset I. El-Mashad

Signature

Date 1/10/2019

