

## Specification for Pathology of Bacterial and Parasitic Diseases course 2019/2020

### A-Affiliation

1.	<b>Relevant program</b>	Bachelor of Veterinary Medical Science (BVMSc)
2.	<b>Department offering the course</b>	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.	<b>Course title</b>	Pathology of Bacterial and Parasitic Diseases
2.	<b>Course code</b>	405 (A) III
3.	<b>Level</b>	4 <sup>th</sup> year
4.	<b>Semester</b>	First semester
5.	<b>Total hours</b>	4
6.	<b>Lecture hours</b>	2
7.	<b>Practical hours</b>	2

### C-Professional Information

#### 1- Course learning objectives

The aim of the course is to provide the students with a basic education about the pathology of the most common bacterial and parasitic diseases affecting the domestic animals, poultry and fish. Also, enable the students to gain the skills of postmortem technique and histopathological examination of different body organs.

#### 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 different pathological lesions associated with bacterial and parasitic diseases affected various animal, poultry and fish species
- a2- Identify the Pathogenesis of bacterial and parasitic diseases affected various animal, poultry and fish species.
- a3- Describe the postmortem and microscopic lesions associated with bacterial and parasitic diseases affected various animal, poultry and fish species.
- 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 associated with bacterial and parasitic diseases affected various animal, poultry and fish species .
- b2-Link between the cause and pathological lesion associated with bacterial and parasitic diseases affected various animal, poultry and fish species.
- 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 associated with bacterial and parasitic diseases affected various animal, poultry and fish species

### 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 <b>Knowledge and understanding</b>	a <sup>7</sup>
B <b>Intellectual skills</b>	b <sup>15</sup>
C <b>Professional and practical skills</b>	c <sup>4</sup>
D <b>General and transferable skills</b>	d <sup>1,2,3,5,6</sup>

#### 3.1- Course contents:

Topic	Lecture hours	Practical hours
Pathology of bacterial diseases of farm animals	6	6
Pathology of bacterial diseases of equines	5	4
Pathology of bacterial diseases of poultry	4	4
Pathology of bacterial diseases of pets	2	4
Pathology of bacterial diseases of fish	2	2
Pathology of parasitic diseases of farm animals	3	2
Pathology of parasitic diseases of equines	2	2
Pathology of parasitic diseases of poultry	2	2
Pathology of parasitic diseases of pets	2	2
Pathology of parasitic diseases of fish	2	2
Total	<b>30</b>	<b>30</b>

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
Pathology of bacterial diseases of farm animals	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of bacterial diseases of equines	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of bacterial diseases of poultry	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of bacterial diseases of pets	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of bacterial diseases of fish	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of parasitic diseases of farm animals	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of parasitic diseases of equines	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of parasitic diseases of poultry	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of parasitic diseases of pets	a1, a2, a3, a4	b1, b2, b3, b4	c1, c2, c3, c4	d1, d2, d3, d4
Pathology of parasitic diseases of fish	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 <sup>th</sup> week	15
Practical exam	14 <sup>th</sup> week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

## 6- List of references

### 6.1- Course notes:

Specific Veterinary Pathology "Bacterial and Parasitic diseases" and Practical histopathology edited by Staff Members of the Pathology department

### 6.2- Essential books (text books)

- J.L.Vegad (2017) A text book of veterinary special pathology.
- James R. Rooney (2015) Equine pathology
- Genti A. Sastry (2010) veterinary pathology
- J.E.Van Dijk (2007) Color Atlas Of veterinary pathology

### 6.3- Recommended books

- **Course note.**
- J.L.Vegad (2017) A text book of veterinary special pathology.
- Genti A. Sastry (2010) veterinary pathology
- J.E.Van Dijk (2007) Color Atlas Of veterinary pathology

### 6.4- Periodicals, Web sites, . . . etc

- Veterinary Pathology.
- [www.IVIS.org](http://www.IVIS.org).
- [www.ekb.eg](http://www.ekb.eg)

## 7- Facilities required for teaching and learning

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

**Course coordinator: Prof Dr. Shawky Mostafa.**

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

Signature ..... Date 1/10/2019