

Specification for Parasitology course 2019/2020

A-Affiliation

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

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	Parasitology
2.	Course code	304 (A) I
3.	Level	3 rd year
4.	Semester	First semester
5.	Total hours	6
6.	Lecture hours	3
7.	Practical hours	3

C-Professional Information

1- Course learning objectives

The course aims to provide the students with the morphology, life cycle, pathogenesis, diagnosis, control, immunity and treatment of most important helminthes parasites affecting animals, birds and fish.

2- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding

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

- a.1- Identify the medical importance of helminthes
- a.2- Classify and list helminthes of veterinary medical importance.
- a.3- Mention the different intermediate hosts of different helminthes
- a.4- Illustrate the morphological characters and life cycle of important helminthes
- a.5- Mention the medical importance of helminthes, and methods for diagnosis and control

b- Intellectual skills

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

- b.1- Determine different parasitic worms and their eggs.
- b.2- Conclude the life cycle of different parasites
- b.3- Determine types of parasitic diseases
- b.4- Estimate and solve the problem of different types of intermediate hosts s brackish snails and land snails.

- b.5- Analyze different types of parasitic eggs
b.6- Solve the problems of different kinds of parasitic diseases

c- Professional and practical skills

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

- c.1- Diagnose fresh samples of helminthes, and eggs
c.2- Diagnose fixed samples of helminthes, and eggs
c.3- Diagnose parasitic worms in different tissues
c.4 Diagnose different larval stages of helminthes.
c.5 Diagnosis of different symptoms of parasitic helminthes

d- General and transferable skills

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

- d1- Searching skill.
d2- Communication skill
d3-Working in team
d4- problem solving skill

3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A Knowledge and understanding	a ⁷
B Intellectual skills	b ⁶
C Professional and practical skills	c ⁴
D General and transferable skills	d ^{1,3,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Introduction	3	-
Trematodes	9	6
Snails	2	3
Trematodes of fish	2	6
Cestodes	12	12
Nematodes	12	10
Cestodes and Nematodes of fish	3	8
Immunity	2	-
Total hours	45	45

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
Introduction	a1, a2, a3, a4, a5	-	-	d1
Trematodes	a1, a2, a3, a4, a5	b1, b2, b3, b4, b5, b6	c1, c2, c3, c4, c5	d1, d2, d3, d4
Snails	a1, a2, a3, a4,	b4	c1, c2, c3	d1, d2, d3, d4
Trematodes of fish	a1, a2, a3, a4, a5	b1, b2, b3, b4, b5, b6	c1, c2, c3, c4, c5	d1, d2, d3, d4
Cestodes	a1, a2, a3, a4, a5	b1, b2, b3, b4, b5, b6	c1, c2, c3, c4, c5	d1, d2, d3, d4
Nematodes	a1, a2, a3, a4, a5	b1, b2, b3, b4, b5, b6	c1, c2, c3, c4, c5	d1, d2, d3, d4
Cestodes and Nematodes of fish	a1, a2, a3, a4, a5	b1, b2, b3, b4, b5, b6	c1, c2, c3, c4, c5	d1, d2, d3, d4
Immunity	a5	b6	-	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
Knowledge 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
	a5	x	x	x	0	0	x	x	x	0	x
Intellectual skill	b1	x	x	x	0	x	x	x	x	0	x
	b2	x	x	x	x	x	x	x	x	0	x
	b3	x	x	x	x	x	x	x	x	0	x
	b4	x	x	x	x	x	x	x	x	0	x
	b5	x	x	x	x	x	x	x	x	0	x
	b6	x	x	x	x	x	x	x	x	0	x
Professional and practical skills	c1	0	x	x	x	0	x	0	x	x	0
	c2	0	x	x	x	0	x	0	x	x	0
	c3	0	x	x	x	0	x	0	x	x	0
	c4	0	x	x	x	0	x	0	x	x	0
	c5	0	x	x	x	0	x	0	x	x	0
General skills	d1	x	x		0	x	x	0	x	0	x
	d2	x	0	0	x	0	x	0	x	0	0
	d3	0	0	x	x	0	0	x	0	0	0
	d4	0	0	x		x	0	x	0	0	x

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 helminthology and Practical helminthology edited by staff members

6.2- Essential books (text books)

- Bow man D. D (2014) Parasitology for veterinarians
- Larrys. Roberts (2013) Foundations of Parasitology.
- Anne M . Zajac (2006) Veterinary Clinical Parasitology.

6.3- Recommended books

- **Course note.**
- Larrys. Roberts (2013) Foundations of Parasitology.
- Anne M . Zajac (2006) Veterinary Clinical Parasitology.

6.4- Periodicals, Web sites, . . . etc

- Veterinary parasitology.
- www.ekb.eg

7- Facilities required for teaching and learning

- Data show.
- White board.
- Parasitology lab.
- Posters
- Department library

Course coordinator: Prof Dr. MOHAMED Y. RAMDAN.

Head of department Prof Dr. MOHAMED Y. RAMDAN

Signature

Date 1/10/2019