Beni-Suef University
Faculty of Veterinary Medicine

Course specification of undergraduate

1-Basic information

Course Code:	**PAR:3236**
Course title :	Parasitology
Program title:	B. Sc. Veterinary Medical Sciences
Contact hours/ week	5 hours/week, (2 Lectures/week, 3 Practical/week)
Approval Date	

2-Professional information

Overall aims of course:

1-1- Identify arthropods and protozoa infecting mammals and birds.

2- Describe arthropods and protozoa of veterinary medical importance.

3- Explain life cycle of arthropods and protozoa of veterinary medical importance.

4- Compare between the different parasitic affections.

3- Intended learning outcomes of course (ILOs)

a- Knowledge and understanding:

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

a.1. Recognize different arthropods including insects, arachnids as well as protozoa including sarcomastigophores, apicomplexans, ciliates and sporozoa and their life cycle.

a2- Describe different arthropods including insects, arachnids as well as protozoa including sarcomastigophores, apicomplexans, ciliates and sporozoa of veterinary importance.

b-Intellectual skills

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

b.1. Compare between different species of arthropods including insects, arachnids as well as protozoa including sarcomastigophores, apicomplexans, ciliates and sporozoa of veterinary importance .

b2- understand pathogenesis of arthropods including insects, arachnids as well as protozoa including sarcomastigophores, apicomplexans, ciliates and sporozoa of veterinary medical importance.

C- Professional and practical skills

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

c.1. Write reports about different arthropods and protozoa of veterinary importance.

c. 2. Mange the mode of infection and diagnostic stages of arthropods and protozoa of veterinary importance.

Course specification of undergraduate

d- General and transferable skills

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

d.1 Work in a group and manage time.

d.2 use computer and internet.

4-Topics and contents

Course	Topic	No. of hours	Lectures	Practical
(Lec. h./week, Pract h./week)	Introduction to Veterinary Entomology	5	2	3
	Class: Insecta (morphology and life cycle)	15	6	9
	Class : Arachnida (morphology and life cycle)	5	2	3
	Introduction to Veterinary Protozoology	5	2	3
	Phylum: Sarcomastigophora (morphology and life cycle)	10	4	6
	Phylum: Apicomplexa (morphology and life cycle)	10	4	6
	Phylum: Ciliophora (morphology and life cycle)	5	2	3
	Phylum: Sporozoa (morphology and life cycle)	10	4	6
	Total	65	26	39

5-Teaching and learning methods

5.1- Lectures (brain storm, discussion) using board, data shows.

5.2- Self learning by preparing essays and presentations (computer researches and library).

5.3- Practical (models, samples of stained tissues and data show).

7-Student assessment

7.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Written Exam	a1, a2	b1,b2	-	-
Practical Exam	a2	b2	c1, c2	d 1, d2
Oral Exam	a1, a2	b1,b2	c1, c2	d 1 ,d2

7.2. Assessment schedules

Method	Week(s)
Written exam	15th- 18th Week
Practical exam	14th Week
Oral exam	15th- 18th Week

Course specification of undergraduate

Student activities	Along the semester

7.3. Weight of assessments

Assessment	Weight of assessment
Writing exam	**50%**
Practical exam	**20%**
Oral exam	**20%**
Student activities	**10%**
total	100%

8- List of references

8.1. Notes and books

Departmental notes on:

-Veterinary Parasitology volume II Arthropods and Protozoa, Prof. Dr. Mahmoud Amin El-Askalany.

2008/16253- I.S.B.N: 977-17-6031-9

8.2. Essential books:

Helminths & Arthropods and Protozoa of domesticated animals, 3rd Edition (Soulsbay 1986)

-Foundation of Parasitology, Gerald D. Schmidt, Larry S. Roberts, 3rd Edition.

8.3. Recommended texts

Georgis Parasitology for Veterinarians , 9th edition, D Wight, D. Bowman 2009

Medical and veterinary entomology, 2nd edition , Kettle, D.S. 1995

Veterinary ectoparasites, biology, pathology, control , 2nd edition Richard Wall and David Shearer 1997

8.4. Journals, Websites ……..etc

Journals:

Parasitology Research.

Egyptian Veterinary Medical Society of Parasitology Journal.

Websites:

http://www.journals.elsevier.com/veterinary-parasitology/

WWW.Science direct

WWW. Pubmed.com

WWW.Scholar google.com

WWW.welly interscience

Course Coordinators **Head of Department**

Beni Suef University
Faculty of Veterinary Medicine

Course specification

	Topics	week	Intended learning outcomes of course (ILOs)			
			K and U (a)	I.S (b)	P. P.S. (c)	G.T.S (d)
1	Introduction to Veterinary Entomology	1	a1	-	-	-
2	Class: Insecta	2,3,4	a1, a2	b1, b2	c1, c2	d1,d2
3	Class : Arachnida	5	a1, a2	b1, b2	c1, c2	d1,d2
4	Introduction to Veterinary Protozoology	6	a1	-	-	-
	Phylum: Sarcomastigophora	7,8	a1, a2	b1, b2	c1, c2	d1,d2
	Phylum: Apicomplexa	9,10	a1, a2	b1, b2	c1, c2	d1,d2
	Phylum: Ciliophora	11	a1, a2	b1, b2	c1, c2	d1,d2
	Phylum: Sporozoa	12,13	a1, a2	b1, b2	c1, c2	d1,d2