

Pharmacology (A)

General pharmacology and systemic pharmacology.

Benha University

Faculty of Veterinary Medicine

Program on which the course is given: **Bachelor of Veterinary Medical Sciences**

Department offering the course: **Department of Pharmacology**

Academic year / Level : **Third Year,1st semester**

Date of specification approval: Ministerial decree No. 921 on 15/ 9/ 1987

Date of Dept approval;- 9-1-2011

A- Basic Information

Title: Pharmacology (A)

Code: Vet 00631a

Lecture: 3 hours/week

Practical: 3 hours/week

Total: 6 hours/week

B- Professional Information

1 – Overall Aim of the Course:

Is to provide the students with a basic education about general pharmacology and systemic pharmacology.

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- know the principles of General pharmacology.

a2-Understand the basic information about special or systemic pharmacology.

b- Intellectual Skills

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

b1-Compare between different drugs acting on organs.

b2-Choose drug to cure diseased animals.

c- Professional and Practical Skills

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

C1- Investigate different effects of drugs in *Intro* and *Vivo*.

d- General and Transferable Skills

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

d1- Use computer and CDs for educational purposes.

d2- Cooperate with other members of Clinical Pharmacologist team.

3- Contents

Topic	No. of hours	Lecture	Practical
General Pharmacology	20	10	10
Systemic Pharmacology	70	35	35
Total	90	45	45

4- content -ILOS matrix

content	ILOs			
	Knowledge And understanding	Intellectual	Professional and practical	General and transferable
1-General pharmacology	a 1	b 1-b 2	C1	d 1
2-Systemic pharmacology	a 2	b 1-b 2	C1	d 1-d 2

5- Assesment-ILOs Matrix

Assesment	ILOs			
	Knowledge And understanding	Intellectual	Professional and practical	General and transferable
MID term exam	a 1- a 2	b 1-b 2	C1	-
Practical exam	A 1- a2	b 1-b 2	C1	-
oral exam	a 1- a2	b 1-b 2	C1	-

6– Teaching and Learning Methods

- 6-1 lecture notes and textbooks
- 6-2 lectures prepared on multimedia as powerpoint presentations
- 6-3 practical lesson on how to handle the animals
- 6-4 field trips for pharmaceutical company
- 6-5- Overhead Projector
- 6.6-CD's
- 6.7 Slides

5- Student Assessment Methods

- 5.1 Semester work (periodical exams and MCQ to assess knowledge and intellectual skills).
- 5.2 Practical exam to assess professional and practical skills.
- 5.3 Oral exam to assess intellectual skills.
- 5.4 Written exam to assess knowledge and intellectual skills.

Assessment Schedule

Assessment 1	Semester work	Week 4,6,8,10,12.
Assessment 2	Practical exam	Week 13
Assessment 3	Oral exam	Week 15
Assessment 4	Written exam	Week 15

Weighting of Assessments

Mid-Term Examination	
Semester Works	20 %
Practical Examination	15 %
Oral Examination.	15 %
Final-term Examination	50 %
Total	100%

6- List of References

6.1- Course Notes

Lectures of Pharmacology

6.2- Essential Books (Text Books)

1. Veterinary applied pharmacology and therapeutics. Brander, G. C. ; Pugh, D. M. and Bymater, R.J. , English Language Book Society and Longman, London.
2. The Pharmacological Basis of Therapeutics. Laurence L.Brunton, John S. Lazo, and Keith L. Parker. McGraw H.H., Medical Publishing Division (USA).

6.3- Periodicals, Web Sites, ... etc

- Am. J. Vet. Res.
- J. Vet. Pharmacology and Therapeutics.
- Arch. Int. Pharmaco. Et Therap.

7- Facilities Required for Teaching and Learning

- Instrument for assay of drug efficacy.
- Data show
- HPLC

Course Coordinator:

Prof. Dr. Asherf El-Koomy.

Head of the Department:Prof. Dr. Asherf El-Koomy.

Date: 9-1-2011