



<b>Training Course specification of Veterinary Pharmacology</b>	
<b>1-Basic information</b>	
<b>Course title :</b>	training course specification of Veterinary Pharmacology
<b>Academic year:</b>	3 <sup>rd</sup> academic year (2014/2015)
<b>Programme title:</b>	Bachelor of Veterinary Medical Sciences
<b>Contact hours /week/semester:</b>	See training program specification

## **2-Professional information**

<b>1- Overall aims of course</b>
At the end of this course, the students had the ability to treat different diseased conditions affecting body systems, treatment of different infective agents in animals and poultry and treatment of different toxicity cases. Moreover, to choose the most safe and effective antiseptics and disinfectants. In addition, to determine the antibiotics sensitivity test, minimal inhibitory concentration and LD50 of drugs.
<b>2- Intended learning outcomes of course (ILOs)</b>
<b><u>a-Knowledge and understanding</u></b>
<b>By the end of this course the student should be able to:</b>  <b>a.1.</b> Recognize the principle lines for treatment of different affections and infective agents in animals and poultry. <b>a.2.</b> Explain the diagnosis and treatment of different toxicity cases. <b>a.3.</b> List the most common antiseptics and disinfectants used in veterinary medicine. <b>a.4.</b> Determine the antibiotics sensitivity test, minimal inhibitory concentration and LD50 of drugs

### **b-Intellectual skills**

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

- b.1.** Analyze, summarize and evaluate information about drugs in professional manner.
- b.2.** Manipulate problem solving in relation to drugs interactions, side effects ,toxicities and application by himself.
- b.3.** Evaluate the field efficacy of veterinary drugs against the different diseases causative agents and toxicity cases.
- b.4.** Evaluate the field uses of antiseptics and disinfectants.
- b.5.** Interpret the antibiotics sensitivity test, minimal inhibitory concentration and LD50 tests of drugs.

### **c-Professional and practical skills**

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

- c.1.** Apply different drugs in diseased conditions and toxicity cases in professional way.
- c.2.** Evaluate the different side effects associated with the administration of drugs in clinical situations in professional way.
- c.3.** Write , choose and administer drugs according to specific diseased conditions and toxicity cases.
- c.4.** Know and differentiate between different drugs used at the same diseased conditions and their possible interactions between different lines of treatments.
- c.5.** Carry out the technical procedures for investigating the pharmacological , toxicological and pharmacokinetic properties and therapeutic possibilities- analysis of drug samples.
- c.6.** Know and differentiate between different antiseptics and disinfectants used in veterinary field.
- c.7.** Determine of antibiotics sensitivity test, minimal inhibitory concentration and LD50 of drugs.

### **d-General and transferable skill**

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

- d.1.** Write structured prescription and clinical report efficiently.
- d.2.** Work effectively as a part of team or individually to collect data and /or to write report in relation to veterinary pharmacology.
- d.3.** Communicate with others effectively.
- d.4.** Manage the time efficiently.

### 3-Topics and contents

Topic
1- Clinical applications of drugs for treatment of different affections and infective agents. (With demonstration of drug samples).
2- Clinical applications of drugs for treatment of different toxicity cases. (With demonstration of drug samples).
3- Antiseptics and disinfectants. (With demonstration of drug samples).
4- Determination of antibiotics sensitivity test, minimal inhibitory concentration and LD50 of drugs. (With demonstration of drug samples).

### 4-Teaching and learning methods

- 4.1. Practical sessions for the students to gain practical skills.
- 4.2. Analyze the results and reach specific conclusion.
- 4.3. Field trips by visiting drug companies and factories.
- 4.4. Presenting museum specimens and drug samples.

### 5-Student assessment

See summer training program specification

Training coordinator	Head of department
Dr. Mohammed Elhewaty	Prof. Dr. Shaaban Gadallah