

## Course Description Form

1. Course Name: Pharmacology

2. Course Code: VEP3111

3. Semester / Year: First semester / 2023 – 2024 / Third year

4. Description Preparation Date: 20 / 2 /2024

5. Available Attendance Forms:

6. Number of Credit Hours (Total) / Number of Units (Total)

75hour/ 4 units

7. Course administrator's name (mention all, if more than one name)

Name: Prof. Dr. Kasim Sakran Abass  
Asst . Lec. Damat .F. Saber

8. Course Objectives

**Course Objectives**

1. Providing students with the basic concepts and experience necessary to different pharmacological function.
2. The study of mechanism of drug , which is one of the basics of veterinary pharmacology, as it aims to study the side effect of drug.
3. study of methods of giving treatment.

9. Teaching and Learning Strategies

- 1- Methods of diction: a teacher who listens to the learners while they sit in front of him, and they listen to him, and he must have the ability to indoctrinate and absorb information.
- 2- Conversational methods: the teacher must possess a high scientific ability and the attendees have information on the topic of the discussion and dialogue.

- 3- The discovery method: the teacher observes the activities of the learners conducting the experiments individually or collectively.
- 4- Active methods: the learner performs individual or group activities and the teacher takes the learner's hand towards learning in practical life inside and outside the walls of the educational institution and to come into contact with the vocabulary of practical life, which gives meaning to real learning.
- 5- Giving lectures using modern methods of presentation of power point topics & scientific films.

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	5		Principles of pharmacology	Theoretical (3 hours) practical(2 hours)	Daily exam
2	5		pharmacokinetic	Theoretical (3 hours) practical(2 hours)	Daily exam
3	5		pharmacodynamics	Theoretical (3 hours) practical(2 hours)	Daily exam
4	5		Drug acting on Autonomic nervous system	Theoretical (3 hours) practical(2 hours)	Daily exam
5	5		Drug acting on somatic nervous system	Theoretical (3 hours) practical(2 hours)	Daily exam
6	5		Central nervous system	Theoretical (3 hours) practical(2 hours)	Extra-curricular activities
7	5		Drug acting on Gastrointestinal function	Theoretical (3 hours) practical(2 hours)	Daily exam
8	5		Mid-term exam	Theoretical (3 hours) practical(2 hours)	Daily exam
9	5		Effect of autonomic drugs on isolated rabbit duodenum	Theoretical (3 hours) practical(2 hours)	Daily exam
10	5		Drugs acting on the cardiovascular system and blood	Theoretical (3 hours) practical(2 hours)	Daily exam
11	5		Drugs affecting renal function and fluid electrolyte balance	Theoretical (3 hours) practical(2 hours)	Daily exam
12	5		Effect ionization on absorption	Theoretical (3 hours) practical(2 hours)	Extra-curricular activities
13	5		Drugs affecting the respiratory system	Theoretical (3 hours) practical(2 hours)	Daily exam

14	5		Effect of autonomic drugs on eye	Theoretical (3 hours) practical(2 hours)	Daily exam
15	5		Review and seminars	Theoretical (3 hours) practical(2 hours)	Extra-curricular activities

### 1. Course Evaluation

distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc .

### 12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Pharmacology Richard Harvey, 2010 Veterinary Pharmacology Alexander Fleming
Recommended books and references (scientific journals, reports...)	Veterinary drug hand book Donald , 2008
Electronic References, Websites	You tube , google search