Training Course specification of Physiology

1-Basic information	
Course title :	Training course specification of Physiology
Academic year:	2nd academic year (2014-2015)
Programme title:	Bachelor of Veterinary Medical Sciences
Contact hours/week/semester:	See training program specification

2-Professional information

1- Overall aims of course

By the end of this course, to provide the undergraduate student with the advanced veterinary medical knowledge and skills essential for physiology and necessary for further training and practice in the field of physiology.

2- Intended learning outcomes of course (ILOs)

a-Knowledge and understanding

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

a.1. Describe the normal physiological standards of different animals under different conditions.

a.2. Identify the physiological functions of reproduction and hematology in different animals' species.

a.3. Explain the significance of applied physiology.

b-Intellectual skills

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

b.1. Assess and interpret the hormonal control of pregnancy & parturition .

b.2. Organize the reference values of soundness of blood to give the chance to diagnose normal and abnormal mechanism which is reflected on animal productivity and reproductively

b.3. prepare a report on laboratory investigations for blood or semen samples

c-Professional and practical skills

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

c.1. Evaluate semen samples.

c.2. Practice different methods for pregnancy diagnosis.

c.3. Interpret complete blood count.

c.4. Deal with laboratory report and correlate between laboratory data.

d-General and transferable skill
By the end of studying the course, the student should be able to d.1. Write laboratory report. d.2. Work individually or in a teamwork. d.3. Communicate effectively with department staff or his/her collages.

3-Topics and contents

Topic
1-semen analyses 2- hemogram (RBCs, WBCs , Differential leukocytic count, Blood film, Hemoglobin measurement, PCV measurement, Blood groups and Coagulation tests) 3- Synchronization of estrus. 4-Laboratory detection of pregnancy.

4-Teaching and learning methods

Teaching and learning methods
4.1 Practical laboratory work about how to use the basic laboratory instruments. 4.2 Practical laboratory work about basic laboratory procedures. 4.3 Workshops to learn how to read laboratory reports.

5-Student assessment

See training program specification

Head of department: prof .Dr. Shaaban M. Gadallah

Course coordinator: Dr. Sherif Shwaky