

## **Couse specs Physiology (D)**

**Benha University**

**Faculty of Veterinary Medicine**

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

Department offering the course: **Physiology**

Academic year / Level : 2<sup>nd</sup> year 2<sup>nd</sup> term

Date of specification approval: Ministerial Decree No 921, on 15/9/1987

Date of Dept approval:

### **A- Basic Information**

**Title: Physiology**

**Code: Vet 00623 b**

No of Hours:

**Lecture: 3h/w**

**Practical: 2h/w**

**Total: 5h/w**

### **B- Professional Information**

#### **1 – Overall Aims of Course:**

The aim of the course is to provide the students with basic information about cell physiology which serves as the basis for body function and mechanisms that regulate the reproduction and lactation, digestive system, avian and fish physiology.

#### **2 – Intended Learning Outcomes of Course (ILOs)**

##### **a-Knowledge and Understanding:**

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

a1- know and understand the reproductive patterns and estrous cycle in

different animals and differentiate between them according to type of

estrous cycle, its duration and hormones controlling reproduction

a2- identify the structure of the digestive system and mechanisms control

its functions.

a3- identify and recognize the points of differences and similarities between mammals, avian and fish.

##### **b-Intellectual Skills**

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

- b1. enhance reproduction in different species by understanding
- b2- Determine the different patterns of reproduction in animals.
- b3- Recognition of the puberty, maturity, pregnancy and parturitions in animals, fish and birds.

**c-Professional and Practical Skills**

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

- c1. perform vaginal smear and identify different phases of estrous cycle
- c2. do pregnancy diagnosis
- c3. train how to examine ruminal juice
- c4. practice to examine semen sample and detect its abnormalities
- c5. calculate RBCs and WBCs in avian and fish

**d-General and Transferable Skills**

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

- ▶ **Information technology skills**
  - ▶ **Using computers (word, spreadsheet, presentation, database)**
  - ▶ **Conduct a search in digital library**
- ▶ **Communication skills: direct ...etc.**

**3- Contents**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial /Practical</b>
<b>Physiology of Reproduction and lactation</b>	23	12	16
<b>Physiology of the Digestive System</b>	17	6	13
<b>Avian Physiology</b>	10	6	8
<b>Fish Physiology</b>	10	6	8
<b>Total</b>	<b>75</b>	<b>30</b>	<b>45</b>

**4- content-ILOs matrix**

<b>Content</b>	<b>ILOs</b>			
	<b>Knowledge and understanding</b>	<b>Intellectual</b>	<b>Professional and practical</b>	<b>General and transferable</b>

<b>Physiology of Reproduction and lactation</b>	a <sup>3</sup> ,		<b>C4</b>	d <sup>1,6</sup>
<b>Physiology of the Digestive System</b>	a <sup>3</sup>		c <sup>4</sup>	d <sup>1,6</sup>
<b>Avian Physiology</b>	a <sup>3</sup>		c <sup>4</sup>	d <sup>1,6</sup>
<b>Fish Physiology</b>	a <sup>3</sup>		c <sup>4</sup>	d <sup>1,6</sup>

### 5- Assessment-ILOS matrix

Assessment	ILOS			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable

### 6– Teaching and Learning Methods

- 4.1- Experimental animals.
- 4.2- Over head projector.
- 4.3- CD's, slides and video tapes.

### 7- Student Assessment Methods

- 5.1 Mid term exams to assess knowledge and intellectual skills.
- 5.2 Practical exam to assess professional and practical skills.
- 5.3 Oral exam to assess understanding, intellectual and transferable skills.
- 5.4 Written exam to assess knowledge and intellectual skills.

## Assessment Schedule

Assessment 1	Mid term exams	Week 4,6,8,10,12.
Assessment 2	Practical exam	week 13
Assessment 3	Oral exam	Week 13
Assessment 4	Written exam	Week 15

## Weighting of Assessments

Mid-Term Examination	10
Final-term Examination	50
Oral Examination.	10
Practical Examination	30
Semester Work	0 %
<u>Other types of assessment</u>	<u>0 %</u>
Total	100%

## 8- List of References

### 8.1- Course Notes

Veterinary Physiology .

### 8.2- Essential Books (Text Books)

Avian physiology

Physiology of domestic fowl.

Textbook of endocrine physiology. Griffin and Ojeda.

6.4- Periodicals, Web Sites, ... etc

Veterinary Journal

Journal of Veterinary Internal Medicine..

Poultry Science

Veterinary Record.

[www.ivis.org](http://www.ivis.org)

## 9- Facilities Required for Teaching and Learning

Experimental and laboratory animals.

Data show and computer lab

**Course Coordinator: : Prof Dr Mohamed El-Azab**

**Head of Department: : Prof Dr Mohamed El-Azab**

**Date:**