

## Course Specification

University: Menoufiya

Faculty: Science

Course Specifications:

Programme (s) on Which the Course is Given: Diploma of Hematology

Major or Minor Element of Programmes: Major

Department offering the Program: Zoology

Department offering the Course: Zoology

Academic Year/ Level: -----

Date of Specification Approval: 2013

### A- Basic Information

Title: Endocrine Physiology

Code: Z511

Credit Hours: 2

Lecture: 2

Tutorial: 0

Practical: 0

Total: 2

### B- Professional Information

**1- Overall Aims of the Course:** By the end of this course, the student should be able to

- \* Develop an understanding of coordination of the structure and function of this system.

- \* Develop an understanding of true endocrine glands.

\* Develop an understanding of different mechanisms of actions of hormones.

## **2- Intended Learning Outcomes of Course (ILOs):**

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

- a1- Define the types of glands and secretions.
- a2- List the types of hormones and their mechanisms.
- a3- Identify the types of diseases of hormonal disturbances.

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

- b1- Measure the student capability to identify the different endocrine glands and its related secretion.
- b2- Define the types of hormones and their mechanisms..
- b3- Differentiate between the endocrine and exocrine systems.
- b4- Distinguish the types of diseases of hormonal disturbances.

### **c- Professional and Practical Skills:**

- c1- Demonstrate skills in identification, characterization of different glands and their situations.
- c2- Distinguish between different hormones structure and functions.
- c3- Diagnose some diseases related to the hormonal disturbances.

### **d- General and transferable Skills:**

- d1- Measure the scientific writing ability.
- d2- Utilize the oral communication skills.
- d3- Use appropriate lab equipment.
- d4- Use the appropriate technology such as (Internet) for scientific research.

### 3- Contents

Topic	No. of Hours	Lecture	Tutorial / Practical
Coordination of Nervous and Endocrine Systems	4	2	
Types of glands	4	2	
Types of Actions	6	3	
Pituitary Gland	2	1	
Thyroid and Parathyroid	2	1	
Adrenal Gland	2	1	
Pancreas	2	1	
Other Glands	2	1	

### 4- Teaching and Learning methods

- 4.1-Lectures.

4.2-Oral presentation.

4.3- Research assignment.

4.4-Practical demonstration.

## **5- Student assessment methods**

5.1-Reports to assess Collection of course material.

5.2- Mid-term exam to assess Mid-term performance.

5.3-Practical and oral exam to assess practical skills.

5.4-Final term exam to assess end of course performance.

### **Assessment schedule**

Assessment1 Mid term Week

Assessment2 semester activities Week 5 and 8

Assessment3 final term practical exam Week 13

Assessment4 final term exam Week 14

### **Weighting of assessments**

Mid-Term Examination	20 %
Final-Term Examination	40%
Oral Examination	10%
Practical Examination	20%
Semester Work	10%

Other Types of Assessment	0%
Total	100%

## **6- List of references**

### **6.1- Course Notes:**

- \* Lecture notes.

### **6.2- Essential books (text books)**

- \* Physiology (Gyton).

### **6.3- Recommended books:**

- \* General Physiology.
- \* Human Physiology

### **6.4- Periodicals, Web sites....Etc:**

- \* American Journal of Physiology.

## **7-Facilities required for teaching and learning:**

- \* Lecture room provided with a white board.
- \* Dark room equipped with overhead and slide projectors, data show.
- \* Lab provided with suitable equipments.

**Course coordinator: Prof. Dr. M. F. F. Bayomy**

***Head of Department:*** Prof. Saber Sakr

***Date:*** 15/1/ 2013