

Course Specification

A- Basic Information

Programme(s) on which the course is given:	MSc of Cytology, Histology and Histochemistry
Department responsible for offering the course:	Zoology
Department responsible for teaching the course:	Zoology
Academic year:	2012-2013
Course title and code:	Endocrine glands Z616
Contact hours (credit hours):	Lecture: 2 hrs Practical: 2hrs Total: 3 hrs
Course coordinator:	Prof. M. F. F. Bayomy

B- Professional Information

The course aim and intended learning outcomes are based on that mentioned in the programme specifications, with more course-related specific details.

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

- *Outline coordination of the structure and function of this system.
- * Identify the true endocrine glands.
- * List different actions of hormonal secretion related to these glands.

a- Intended Learning Outcomes of Course (ILOs):

b- Knowledge and Understanding:

- a1- Define the types and classification of glands.
- a2- List the types of hormones that secreted from these glands.
- a3- Identify the neuroendocrinology as a modern specialized science.

c- 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.

d- Professional and Practical Skills:

- c1- Demonstrate skills in identification, characterization of different glands and their situations.
- c2- Distinguish between different hormones structure and functions.

e- 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.

2- Course Contents

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

3- Teaching and Learning Methods

- Lectures.
- Practical sessions.
- Writing essays.
- Oral presentation.

4- Student Assessment Methods

- Essays
- Oral exms
- Written exams.
- Practical exams.
- Quizzes.

Assessment schedule

Assessment 1	Essay	Week 1 essay/term
Assessment 2	Oral exam	Twice/term
Assessment 3	Mid-term exams	Week 7
Assessment 4	Semester Work Exam	Week 10
Assessment 5	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%
Total	100%

6- List of references

1. Course Notes

- 1- Internet and library material.
- 2- Handouts given separately during the course span.

2. Essential Books (Text books):

- 3- Physiology (Gyton).

3. Recommended Books

Costanzo, L.S. (2006): Physiology. 3rdedn., El sevier Inc.

Griffin, J.E. and Ojeda, S.R. (2000): Text book of endocrine physiology. 4thedn., Oxford university press, Inc.

4. Periodicals, web sites,...,etc

- 4- American Journal of Physiology.

7- Facilities required for teaching and learning

- * Dark room equipped with overhead and LCD projector.
- * Laboratory slides and specimens.
- * Librarian facilities.
- * Computers with internet Access.

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

Head of Department: Prof. Saber Sakr

