



Course Specifications

Course Title:	Endocrinology
Course Code:	2014201-2
Program:	Bachelor in Zoology
Department:	Biology Department
College:	College of Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 3hr
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 8 th level / 4 th year
4. Pre-requisites for this course (if any): Animal Physiology 2013105-3
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3 hours /week	100%
2	Blended	-	-
3	E-learning	-	-
4	Distance learning	-	-
5	Other	-	-

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	15
2	Laboratory/Studio	30
3	Tutorial	-
4	Others (specify)	-
	Total	45

B. Course Objectives and Learning Outcomes

1. Course Description:

This course describes glands and hormones of endocrine system and their role in maintaining of homeostasis. It deals with the synthesis, structure, secretion and function of hormones. In addition, it discusses physiopathology of diseases caused by hormonal disturbance.

2. Course Main Objective:

The aim of this course is to describe the organization of endocrine system such as to describe structure and function of glands and their synthesized hormones, to explain how the secretion of hormones is regulated, and to discuss the impact of under- and over-secretion of hormones.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	Knowledge and Understanding:	
1.2	Classify different endocrine glands based on their tissue structure, functions and other relevant characteristics	K2
2	Skills:	

CLOs		Aligned PLOs
2.1	Apply endocrine concepts using integration of academic knowledge and professional skills.	S1
2.2	Utilize concepts and basics of endocrinology in economic, social and environmental contexts	S3
3	Values:	
3.1	Demonstrate commitment to professional and leadership values.	V1
3.2	Assess own presentation and linguistic performance to discuss advanced scientific topics.	V3

C. Course Content

No	List of Topics	Contact Hours
1	Chapter 1: Overview of the endocrine system	2L + 3P
2	Chapter 2: The hypothalamus and the pituitary gland	3L + 6P
3	Chapter 3: The thyroid gland	2L + 3P
4	Chapter 4: The parathyroid gland	1L + 3P
5	Chapter 5: The adrenal glands	2L + 3P
6	Chapter 6: The pancreas	1L + 3P
7	Chapter 7: Hormones of the reproductive system	3L + 6P
8	General revision	1L + 3P
Total		15L +30P

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and Understanding:		
1.2	Classify different endocrine glands based on their tissue structure, functions and other relevant characteristics	Lectures Cooperative learning	Paper-based exams
2.0	Skills:		
2.1	Apply endocrine concepts using integration of academic knowledge and professional skills.	Lectures Cooperative learning	Paper-based exams
2.2	Utilize concepts and basics of endocrinology in economic, social and environmental contexts	Open discussion Small group activities	Paper-based exams Practical exam
3.0	Values:		
3.1	Demonstrate commitment to professional and leadership values.	Brain storming Interactive learning	Practical reports Assignments
3.2	Assess own presentation and linguistic performance to discuss advanced scientific topics.	Small group activities Interactive learning	Assignments

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments and activities: 1- Written Assignment 2- Power-point presentation	Variable	10
2	Midterm Exam	5 th	20
3	Periodic Exam	7 th	10
4	Practical Reports	Continuous	15
5	Final Practical Exam	11 th	5
6	Final Exam	12 th	40

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

6 hours per week for academic advice and consultations

Teaching staff is also available using Blackboard web site and Taif University “Edugate” System

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	- Endocrinology, 4 th edition, by Ronan O’Neill and Richard Murphy 2014. الغدد الصم وهرموناتها – أ. د. أحمد المجذوب القماطي – ٢٠٠٥
Essential References Materials	- E-book: Introduction to Endocrinology by Ioana R. Ilie Springer Nature, 2019 https://books.google.com.sa/books/about/Introduction_to_Endocrinology.html?id=GJXFDwAAQBAJ&redir_esc=y
Electronic Materials	Blackboard website Website of Saudi digital Library
Other Learning Materials	Computer-based programs and professional software

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom (capacity not more than 40 students) for 1h/week. Laboratory (capacity not more than 20 students) for 3 h/week.
Technology Resources (AV, data show, Smart Board, software, etc.)	Data Show projectors Smart blackboard
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	None

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Program committee Staff members Students	Indirect
Extent of achieving the course learning outcomes	Staff members Students	Direct Indirect

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Biology Department
Reference No.	Committee number 14 - Academic Year 1442-1443H
Date	22/5/2022G – 14 /10/1443H

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