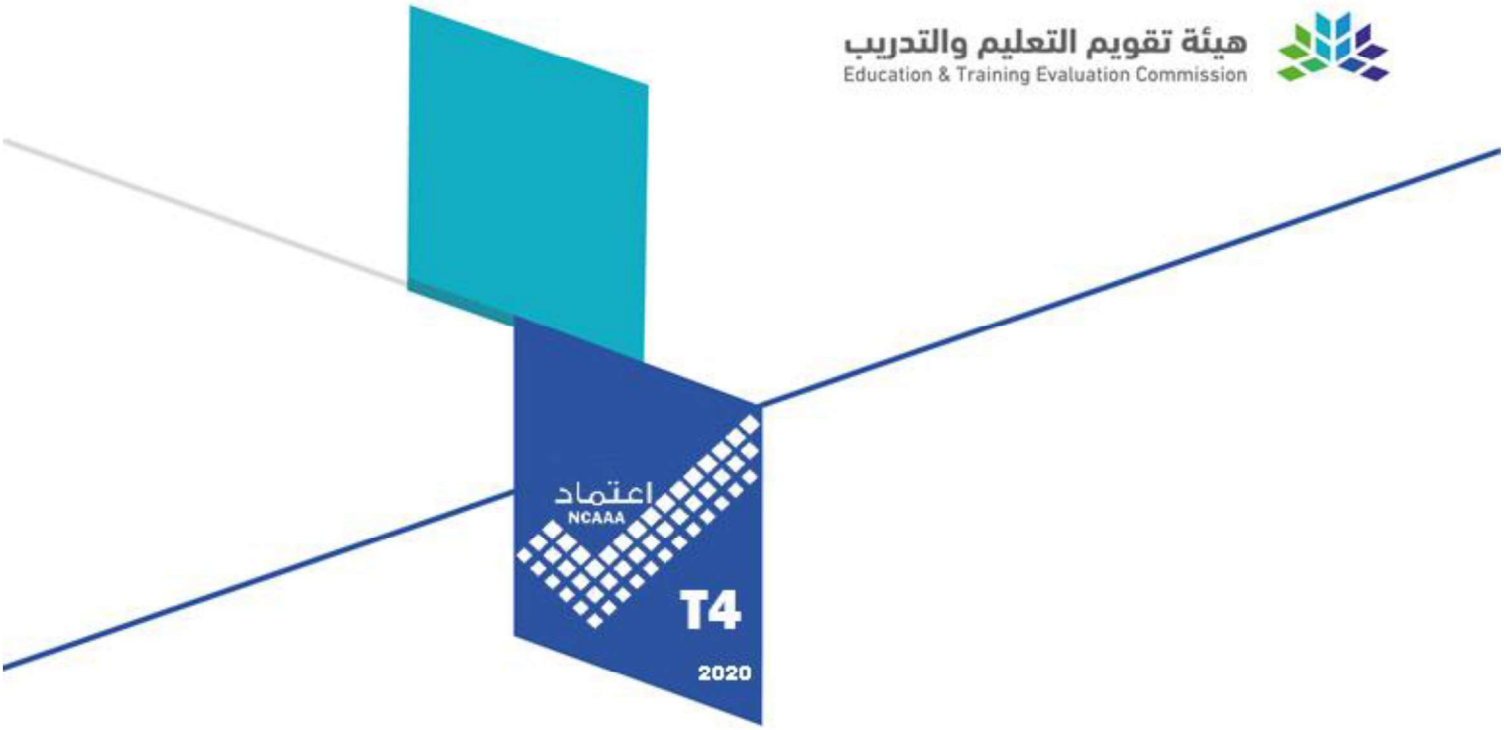
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	**General Zoology**
Course Code:	**2012104-3**
Program:	**Bachelor in General Biology**
Department:	**Biology Department**
College:	**College of Sciences**
Institution:	**Taif University**

Table of Contents

A. Course Identification

1. Credit hours: 3 hr
2. Course type **a.** University ☐ College ☐ Department ☑ Others ☐ **b.** Required ☑ Elective ☐
3. Level/year at which this course is offered: 4th Level / 2nd year
4. Pre-requisites for this course (if any)**:** General Biology 201104-4
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**	6 hr/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**	30
2	**Laboratory/Studio**	20
3	**Tutorial**	-
4	**Others** (specify)	-
	Total	50

B. Course Objectives and Learning Outcomes

1. Course Description:

This course deals with studying fields of Zoology, ultra-structure of animal cell, animal tissues, introduction to animal physiology, animal reproduction, embryology as well as principles of animal ecology.

2. Course Main Objective:

By the end of this course, the student can enumerate fields and branches of Zoology, recognize ultra-structure of animal cell, different types of animal tissues, main principles of animal physiology and animal reproduction as well as embryology and ecology.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge and Understanding:**	
1.1	Identify different branches, applications, laws and concepts of zoology.	K1
1.2	Classify different animal groups and different types of tissues.	K2

CLOs		Aligned PLOs
2	**Skills:**	
2.1	Utilize basic concepts of zoology and ecology in economic and environmental approaches.	S3
2.2	Illustrate functions of various macromolecules in different animal tissues and animal systems.	S4
3	**Values:**	
3.1	Appraise initiatives to develop the self-performance.	V3

C. Course Content

No	List of Topics	Contact Hours
1	**Chapter 1:** Introduction to fields and branches of Zoology and its history	3L+ 2P
2	**Chapter 2:** Ultrastructure and chemical structure of the animal cell *A : chemical structure of the animal cell* *B : Ultrastructure of the animal cell*	6L+4P
3	**Chapter 3:** Types of cell division	3L+ 2P
4	**Chapter 4:** Types of animal tissues *A: Epithelial tissues*	3L+ 2P
5	*B: Connectives Tissues* *B-1: Connectives Tissues* *B-2: Specialized Connectives Tissues*	3L+ 2P
6	**Chapter 5:** Reproduction and development *A: Reproduction* *B: Development*	3L+ 2P
7	**Chapter 6:** Introduction to animal ecology	3L+ 2P
8	**Chapter 7:** Introduction to animal physiology *A: Respiratory system* *B: Digestive System*	3L+ 2P
9	*C: Circulatory system* *D: Skin and its Derivatives*	3L+ 2P
Total		30L+20P

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:**		
1.1	Identify different branches, applications, laws and concepts of zoology.	Lectures Cooperative learning	Paper-based exams
1.2	Classify different animal groups and different types of tissues.	Lectures Concept maps	Paper-based exams
2.0	**Skills:**		
2.1	Utilize basic concepts of zoology and ecology in economic and environmental approaches.	Small group activities Open discussion	Practical reports Practical exam

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.2	Illustrate functions of various macromolecules in different animal tissues and animal systems.	Brain storming Small group activities	Practical exam Assignments
3.0	**Values:**		
3.1	Appraise initiatives to develop the self-performance.	Open discussion Small group activities	Assignments

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midterm Exam	5th	20%
2	Semester Activities	Periodic	10%
3	Practical Reports	Weekly	20%
4	Final Practical Exam	11th	10%
5	Final Exam	12th	40%
Total			**100%**

***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 (as defined in the teaching schedule of the faculty member) 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	- Helen S. Keller (2012). General Zoology, 1st Edition, Forgotten Books Publications. - Al-Banhawy, M.A. et al. (2008). Zoology. Dar Al-Maarif, Cairo, Egypt (In Arabic).
Essential References Materials	- Cleveland P. Hickman, Jr.; Larry S. Roberts; Susan L. Keen; David J. Eisenhour; Allan Larson; Helen I'Anson (2017). Integrated Principles of Zoology, 17th Edition. Mosby-Year Book, Inc., St. Louis, MO.
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.)	- Classrooms for 40 students\lecture. - Laboratory for 20 students\ lab activity

Item	Resources
Technology Resources (AV, data show, Smart Board, software, etc.)	- Data show.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- Slide projector. - Permanent slides. - Preserved specimens

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Peer Reviewer Students	Direct Indirect
Extent of achieving the course learning outcomes	Peer Reviewer 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 – 21\10\1443H**

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