هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد NCAAA T4 2020

Course Specifications

Course Title:	**Animal Ecology**
Course Code:	**2013206-2**
Program:	**Bachelor in Zoology**
Department:	**Biology Department**
College:	**College of Sciences**
Institution:	**Taif University**

Table of Contents

A. Course Identification

1. Credit hours: 2hr
2. Course type **a.** University ☐ College ☐ Department ☑ Others ☐ **b.** Required ☑ Elective ☐
3. Level/year at which this course is offered: 8th level / 3rd year
4. Pre-requisites for this course (if any)**:** General Ecology / 2012101-3
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**	3hours / 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**	27
2	**Laboratory/Studio**	--
3	**Tutorial**	--
4	**Others** (specify)	--
	Total	27

B. Course Objectives and Learning Outcomes

1. Course Description:

This course deals with studying concepts of Animal Ecology which include adaptation mechanisms of animals in relation to the environmental conditions, the main components of ecosystem as well as biodiversity of animals in different habitats and environmental characteristics of different habitats.

2. Course Main Objective:

The course covers items related to general animal ecology, adaptation mechanisms of animals in relation to the environmental conditions, types of ecosystems and different related habitats.

3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	**Knowledge and Understanding:**	
1.1	Recognize adaptation mechanisms of animals in relation to the environmental conditions.	K1
1.2	Outline ecological classification of animals and list their various	K2

CLOs		Aligned PLOs
	forms relative to their environment using the proper terminology and nomenclature.	
2	**Skills:**	
2.1	Utilize concepts and basics of Ecology in economic and social contexts.	S3
3	**Values:**	
3.1	Develop plans for academic and/or professional self-development.	V2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Ecology Components of ecosystem Ecosystem homeostasis Coral reefs as an example of successful and balanced ecosystem	3L
2	Animal classification on ecological basis	3L
3	Factors affecting expansion of animal populations and communities. 1-Animal dispersal and range expansion	3L
4	2-Behavior	3L
5	3-Interspecific interaction: - Positive interactions - Negative interactions	3L
6	4-Abiotic factors	3L
7	Abiotic factors in desert ecosystem	3L
8	Relation between climate and topography of KSA	3L
9	Mechanisms of adaptation of animals to desert conditions	3L
Total		27L

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	Recognize adaptation mechanisms of animals in relation to the environmental conditions.	Lectures Open discussion	Paper-based exams
1.2	Outline ecological classification of animals and list their various forms relative to their environment using the proper terminology and nomenclature.	Lectures Brain storming	Paper-based exams
2.0	**Skills:**		
2.1	Utilize concepts and basics of Ecology in economic and social contexts.	Student presentation Small group activities	Assignments
3.0	**Values:**		
3.1	Develop plans for academic and/or professional self-development.	Student presentation Small group activities	Assignments

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Activities	Continuous	10
2	Midterm Written Exam	5th	20
3	Periodic Written Exam	7th	20
4	Final Written Exam	10th	50

***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	- Ecology principles and applications, J.L. Chapmand and M.J. Reiss, Cambridge university press, 1992.
Essential References Materials	- Biodiversity, Cheryl Jakab, Macmillan Library, 2007. - Ecology of Desert Organisms. Louw, Gideon Seely, M.K. (1982). Longman.
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).
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)	---

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Peer Reviewer	Direct

Evaluation Areas/Issues	Evaluators	Evaluation Methods
	Students	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 no. 14 - Academic Year 1442-1443H**
Date	**22/5/2022--- 23/10/1443**

كلية العلوم
قسم الاحياء
College of Science
Department of Biology
جامعة الطائف
TAIF UNIVERSITY

عمادة كلية العلوم
Deanship of Science College
جامعة الطائف
TAIF UNIVERSITY