اعتماد
NCAAA

T4

2020

Course Specifications

Course Title:	Mammalogy
Course Code:	2014207-2
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:	12th, 4th year

4. Pre-requisites for this course (if any): Vertebrate 201320-3

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	30
2	Laboratory/Studio	30
3	Tutorial	
4	Others (specify)	60
	Total	

B. Course Objectives and Learning Outcomes

1. Course Description:

This course deals with studying mammals generally and in Saudi Arabia specially, their main characteristic features, classification, diversity and ecology, as well as their adaptations.

2. Course Main Objective:

To identify characteristics and ecological features of mammals in relation to their habitats. Furthermore, to survey biodiversity of mammals in different ecosystems and identify their body adaptations in different conditions.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding:**	
1.1	Classify different mammalian groups based on their different characteristics.	

	CLOs	Aligned PLOs
1.2	Investigate different technical requirements used to study various mammalian groups	
2	**Skills:**	
2.1	Apply different biological concepts related to mammalogy using professional and academic skills.	
3	**Values:**	
2.1	Gain personal and leadership skills needed to achieve individual or group assignments.	V1
3.2	Use efficient presentation forms and scientific language for discussing advanced data.	V2

C. Course Content

No	List of Topics	Contact Hours
1	**Introduction to Mammalogy** • Characteristics of Class Mammalia The importance of mammals to the environment and human	3L+3P
2	**Classification of mammals** Subclasses of Class Mammalia	3L+3P
3	**Skin of mammals** • Structural basics of skin • Structure and development of hair	3L+3P
4	• Different exoskeleton types	3L+3P
5	**Anatomy of mammalian body** • Digestive System • The Respiratory System The Urogenital System	3L+3P
6	**Anatomy of mammalian body** • Skeletal System • Muscular System Circulatory System	3L+3P
7	**Migration in Mammals** • Limiting factors of mammalian migration	3L+3P
8	Patterns in migration Causes of migration in mammals	3L+3P
9	**Mammalian Social Behaviour**	3L+3P
10	**Mammalian Diversity in KSA**	3L+3P
	Total	30L+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:**		
1.1	Classify different mammalian groups based on their different characteristics.	Lectures Brain storming	Paper-based exams

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.2	Investigate different technical requirements used to study various mammalian groups	Cooperative learning Open discussion	Paper-based exams Practical reports
2.0	**Skills:**		
2.1	Apply different biological concepts related to mammalogy using professional and academic skills.	Cooperative learning Small group activities	Paper-based exams Practical reports
2.2			
3.0	**Values:**		
3.1	Gain personal and leadership skills needed to achieve individual or group assignments.	Small group activities Interactive learning	Practical exam Assignments
3.2	Use efficient presentation forms and scientific language for discussing advanced data.	Small group activities	Assignments

2. Assessment Tasks for Students

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

*Assessment task (i.c., written tcst, oral tcst, oral prcsentation, group projcct, cssay, 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	Mammalogy: Adaptation, Diversity, Ecology (2007) by George A. Feldhamer, Lee C. Drickamer, Stephen H. Vessey, Joseph F. Merritt, Carey Krajewski. John Hopkins University Press	
Essential References Materials	Journal of Biological Sciences, (Saudi Biological Society). Journal Of King Saud University (Science). Scientific Journals Of the Saudi Universities (Biology).	

Electronic Materials	Blackboard website; Website of Saudi digital Library https://www.nationalgeographic.com/environment/habitats/deserts/	
Other Learning Materials	Computer-based programs and professional software	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, laboratories, demonstration rooms/labs, etc.) Classrooms do not exceed on 30 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)	Slide projector, Accurate top loading balance, Muffle, Oven, Glasses, Chemicals, pH, EC meter, Filter paper, Flame photometer.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Program committee Students	Indirect
Extent of achieving the course learning outcomes	Staff members Students	Direct Indirect
Effectiveness of teaching and assessment	Students	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 2 - Academic Year 1442-1443H
Date	22 /5/20221G – 14 /10/1443H

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