هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد NCAAA T4 2020

Course Specifications

Course Title:	**Animal Ecology and Behavior**
Course Code:	**454ZOO**
Program:	**Biology**
Department:	**Biology**
College:	**Science**
Institution:	**Jazan University**

Table of Contents

A. Course Identification

1. Credit hours: 2
2. Course type **a.** University ☐ College ☐ Department ■ Others ☐ **b.** Required ■ Elective ☐
3. Level/year at which this course is offered: The eighth level
4. Pre-requisites for this course (if any)**:** None
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**	13 h	86.7 %
2	**Blended**	2 h	13.3 %
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

Course Title	Course Code	Number of Study Hours				Year	Level	Prerequisites
		Theo.	Tut.	Lab.	Credit			
Animal Behavior	**454 Zoo**	1	0	1	2	**4th**	**8th**	-

2. Course Main Objective

This course is designed to provide students with the following concepts:

- The definition of behavior.
- Its types and importance.
- The relationship between hormones and neurotransmitters with behavior.
- The communication between animals.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Defining behavior and identifying its types.	K1.1
1.2	Explain factors affecting the behavior and the mechanisms that affect it.	K2.2
1.3	Interpret some behaviors such as social behavior, learning behavior, and the factors that influence them.	K3.2
2	**Skills :**	
2.1	Debate the behavioral aspects, theories, and processes.	S1.1
2.2	Predict the results of some behavioral problems and experiments	S2.1
2.3	Write a report about any practical or theoritical tasks related to behavioral science.	S3.3
3	**Values:**	
3.1	Illustrate awareness of risk assessment and safety observation when dealing with various equipment at various fields	V2.1

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to behavior - Definition of behavior, types and motives of behavior	1
2	Natural selection and behavior - Environment and behavioral adaptation	1
3	Finding a place to live and territoriality	1
4	Find food	1
5	Living in a population	1
6	Anti – predator behavior	1
7	Altruism and instinct	1
8	Sexual Behavior and Cooperative Breeding in Birds and Mammals	1
9	Social behavior	1
10	Intelligence and behavior regulation	1
11	Animal communication behavior	1
12	The role of the nervous system in behavior	1
13	Hormones and Behavior - Neurotransmitters and behavior	1
14	Learning, intelligence and experience	1
Total		14

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	Defining behavior and identifying its types.	Lectures	Quizzes, Short Answer Question, MCQs
1.2	Explain factors affecting the behavior and the mechanisms that affect it.	Lectures, Lab work	Quizzes, Short Answer Question, MCQs
1.3	Interpret some behaviors such as social behavior, learning behavior, and the	Lectures, Group Discussion	Assignments

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	factors that influence them.		
2.0	**Skills**		
2.1	Debate the behavioral aspects, theories, and processes.	Lectures, Lab work	Quizzes, Short Answer Question
2.2	Predict the results of some behavioral problems and experiments	Lectures, Lab work, Group Discussion	Quizzes, Short Answer Question, Lab work assessment
2.3	Write a report about any practical or theoritical tasks related to behavioral science.	Lab work	Short Answer Question, Assignments
3.0	**Values**		
3.1	Illustrate awareness of risk assessment and safety observation when dealing with various equipment at various fields	Group Discussion, Lab work	Lab work assessment

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Written assignment	3	3
2	Group assignment	4	2
3	Theoretical quiz	5	5
4	Mid-term exam	7	10
5	Practical Mid-term exam	9	10
6	Practical assignment	11	5
7	Final practical exam	13	15
8	Final Exam	15	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 :
10 Office hours/faculty/week.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Ibrahim Suliman Issa. (1998). Principles of Ethology.Al-Dar Al-Arabiah for publishing and distribution. Egypt.
Essential References Materials	• Nell R. Carlson. (1994). Physiology of Behavior. Fifth edition. Allyn and Bacon. A Division of Paramount Publishing. • Aubrey Manning and Marian Stamp Dawkins .(1998). An introduction to Animal Behavior. Fifth edition. Cambridge University Press. USA. • Lee Drickamer, Donald Dewsbury.(1995). Leaders in Animal Behavior. USA. • Lloyd Morgan. (2017). Animal Behavior. USA.

	• Mark Ridley.(1995). Animal Behavior: An Introduction to Behavioral Mechanisms, Development, and Ecology. Blackwell Science Ltd. • Christina Wilsdon.(2009). Animal Defenses (Animal Behavior). • V K Agarwal. (2013). Animal Behaviour (Ethology). S. Chand Publishing.
Electronic Materials	• Animal Behavior • Animal Behavior: An Introduction to Behavioral Mechanisms, Development, and Ecology. • An introduction to Animal Behavior. • Encyclopedia of Animal Behavior, Second Edition.
Other Learning Materials	• Research groups

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture room(s) for groups of 50 students. Laboratory for group of 25 students.1
Technology Resources (AV, data show, Smart Board, software, etc.)	AV, data show, Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Light microscopes, glassware, chemicals, consumables, dissection tools, Behavior measurement devices.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching	Students, Faculty	Direct (Questionnaire)
Extent of achievement of course learning outcomes	Program Leader	Indirect (QA Committee)
Quality of learning resources	QA. Committee	Indirect (Benchmarking)

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	
Reference No.	
Date	