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**	h 13	% 86.7
2	**Blended**	h 2	% 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

ırse tle	**Course Code**	**Number of Study Hours**				**Year**	**Level**	**Prerequisites**
		Theo.	**Tut.**	**Lab.**	**Credit**			
mal avior	**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
1.2	Factors affecting the behavior and the mechanisms that affect it.	K2
1.3	Describe some behaviors such as social behavior, learning behavior, and the factors that influence them.	K3
2	**Skills :**	
2.1	Explain aspects, theories, and processes relevant to behavior.	S1
2.2	Compare different features related to behavior.	S2
2.3	Interpret experimental data and apply in relevant situations.	S3
3	**Values:**	
3.1	Illustrate ability to work in groups and responsibility.	C1
3.2	Demonstrate risk assessment and safety.	C2

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	Factors affecting the behavior and the mechanisms that affect it.	Lectures, Lab work	Quizzes, Short Answer Question, MCQs

1.3	Describe some behaviors such as social behavior, learning behavior, and the factors that influence them.	Lectures, Group Discussion	Assignments
2.0	**Skills**		
2.1	Explain aspects, theories, and processes relevant to behavior.	Lectures, Lab work	Quizzes, Short Answer Question
2.2	Compare different features related to behavior.	Lectures, Lab work, Group Discussion	Quizzes, Short Answer Question, Lab work assessment
2.3	Interpret experimental data and apply in relevant situations.	Lab work	Short Answer Question, Assignments
3.0	**Values**		
3.1	Illustrate ability to work in groups and responsibility.	Group Discussion, Lab work	Lab work assessment
3.2	Demonstrate risk assessment and safety.	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	