هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

T-104
2022

Course Specification

Course Title:	**Animal Ecology & Behavior**
Course Code:	**ZOOL 454**
Program:	**Biology**
Department:	**Biology**
College:	**Biology**
Institution:	**Jazan University**
Version:	**2022**
Last Revision Date:	**11/2022**

Table of Contents:

A. General information about the course:

Course Identification					
1. Credit hours:	**2 Hours**				
2. Course type					
a.	University ☐	College ☐	Department☐	Track☐	Others☐
b.	Required ☐	Elective☐			
3. Level/year at which this course is offered:	**Level 12 – 4th Year Biology Program**				
4. Course general Description; This course deals with the definition of behavior, its types and importance. It will explain the relationship between hormones, neurotransmitters and behavior. The course will give introduction about communicate between animals					
5. Pre-requirements for this course (if any): **BIOL 301**					
6. Co- requirements for this course (if any): NONE					
7. Course Main Objective(s); This course is designed to provide students with the following concepts: • The definition of behavior. • Explain types of behavior and its importance. • To interpret some behaviors such as social behavior, learning behavior, and the factors that influence them. • To explain The communication methods between animals . • To predict the results of some behavioral problems and experiments. • To debate the relationship between hormones and neurotransmitters with behavior.					

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	10 h	77%
2.	E-learning	1h	7.7
3.	Hybrid • Traditional classroom • E-learning	1h	7.7
4.	Distance learning	1h	7.7

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	11
2.	Laboratory/Studio	22
3.	Field	-
4.	Tutorial	-
5.	Others (specify) **Self Learning**	2
	Total	35

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Defining behavior and identifying its types.	K1.1	Lectures	Quizzes, Short Answer Question, MCQs
1.2	Explain factors affecting the behavior and the mechanisms that affect it.	K2.1	Lectures, Lab work	Quizzes, Short Answer Question, MCQs
1.3	Interpret some behaviors such as social behavior, learning behavior, and the factors that influence them.	K3.2	Lectures, Group Discussion	Assignments
2.0	Skills			
2.1	Debate the behavioral aspects, theories, and processes.	S1.1	Lectures, Lab work	Quizzes, Short Answer Question
2.2	Predict the results of some behavioral problems and experiments	S2.2	Lectures, Lab work, Group Discussion	Quizzes, Short Answer Question, Lab work assessment
2.3	Write a report about any practical or theoretical tasks related to behavioral science.	S3.3	Lab work	Short Answer Question, Assignments
3.0	Values, autonomy, and responsibility			
3.1	Illustrate awareness of risk assessment and safety observation when	V2.2	Lab work	Lab work assessment

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	dealing with various equipment at various fields			

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	2
3.	Finding a place to live and territoriality	1
4.	Find food	1
5.	Living in a population	Self-learning
6.	Anti – predator behavior	Self-learning
7.	Altruism and instinct	1
8.	Sexual Behavior and Cooperative Breeding in Birds and Mammals	1
9.	Social behavior	1
	Intelligence and behavior regulation	Self-learning
	Animal communication behavior	1
	Hormones and Behavior - Neurotransmitters and behavior	1
	Learning, intelligence and experience	1
Total		11

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Written test	6th week	10%
2.	group project	4th week	10%
3.	group project	Last week	10%
...			

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	ابراهيم سليمان عيسى. (1998). مبادئ السلوك ، الدار العربية للنشر والتوزيع. مصر.
Supportive References	• 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.
Electronic Materials	• Animal Behavior https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/animal-behavior • Animal Behavior: An Introduction to Behavioral Mechanisms, Development, and Ecology. https://www.wiley.com/en-us/Animal+Behavior:+An+Introduction+to+Behavioral+Mechanisms,+Development,+and+Ecology,+2nd+Edition-p-9781444313802 • An introduction to Animal Behavior. https://scholar.google.com/scholar?q=%E2%80%A2+An+introduction+to+Animal+Behavior&hl=ar&as_sdt=0&as_vis=1&oi=scholart • Encyclopedia of Animal Behavior, Second Edition. https://www.elsevier.com/books/encyclopedia-of-animal-behavior/choe/978-0-12-813251-7
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	1.Lecture room(s) for groups of 50 students. Laboratory for group of 25 students.1
Technology equipment (projector, smart board, software)	AV, data show, Smart Board
Other equipment (depending on the nature of the specialty)	Light microscopes, glassware, chemicals, consumables, dissection tools, Behavior measurement devices.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching		

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of students assessment	Students, Faculty	Direct (Questionnaire)
Quality of learning resources	Program Leader	Indirect (QA Committee)
The extent to which CLOs have been achieved	QA. Committee	Indirect (Benchmarking)
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Biology Department Board
REFERENCE NO.	BIO2214
DATE	20/9/2022AD

Course coordinator: **Prof. Dr. Gasim Abutaweel**

Signature:

Head of Department

Name: **Dr. ABDULLAH YAHYA MASHRAQI**

Signature: