



Course Specifications

Course Title:	Animal Behavior
Course Code:	4014342-2
Program:	General Biology
Department:	Department of biology
College:	Faculty of Applied Science
Institution:	Um Al-Qura University

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A. Course Identification

1. Credit hours: 2 hours.
2. Course type a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 4th Year / Level 8.
4. Pre-requisites for this course (if any): Fauna of Saudi Arabia (4014321-3).
5. Co-requisites for this course (if any): NA.

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	50
2	Blended	-	-
3	E-learning	-	-
4	Correspondence	-	-
5	Other	30	50

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	30
2	Laboratory/Studio	-
3	Tutorial	-
4	Others (specify) Two Office Hours per week.	30
	Total	60
Other Learning Hours*		
1	Study	30
2	Assignments	8
3	Library	10
4	Projects/Research Essays/Theses	10
5	Others (specify)	-
	Total	58

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

<p>1. Course Description</p> <p>The course designed to acquire students with an importance of the animal behavior, kinds of animal behavior, natural and vital factors affecting the behavior of animals, hormones and behavior, genetics and behavior, and to explain some of the habits and natures in animals.</p>
<p>2. Course Main Objective</p> <p>After completing this course, students should be able to:</p> <ul style="list-style-type: none"> To acquire students with an importance of the animal behavioural study. To acquire students with kinds of animal behaviour.

- Natural and vital factors affecting the behaviour of animals.
- To explain relation between hormones and behaviour.
- To explain relation between genetics and behaviour.
- To explain some of the habits and natures in animals.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Identify the different types animal behavior.	
1.2	Know the different methods to study animal behavior.	
1.3	Learn the main concepts and principles of animal behavior.	
1.4	Recognize the relationships between hormones and animal behavior.	
1.5	Distinguish the effect of hormones on the behavior.	
1.6	Understand the effect of sexual behavior, predation, commensalism in population dynamics.	
1.7	Enumerate the effect of genetics on the behavior.	
2	Skills:	
2.1	Explain the different types animal behavior.	
2.2	Distinguish the difference between hormonal and genetic effect on the animal behavior.	
2.3	Define and Perform all techniques	
2.4	Apply / study social behaviors of some population in the wild or selected field.	
3	Competence:	
3.1	Developing oral presentations and leader ship activity	
3.2	Perform self-directed learning.	
3.3	Communicating personal ideas and thoughts	
3.4	Tabulate experimental data	
3.5	Work independently, Self-learning and as part of a team,	
3.6	To apply, describe, discuss, or contribute reports.	

C. Course Content

No	List of Topics (16 weeks)	Contact Hours
1	General introduction and development of animal behaviour	2
2	Methods of adaptive behaviour (finding food, hostility, avoiding predators, simulation, parental care , research and survey)	2
3	Analytical study of one animal communities.	2
4	Physiological and genetic effects on animal behaviour.	2
5	Components of the innate and acquired behaviour (taxes, reflexes, instincts, learning, reasoning).	2
6	Mid-term exam Field Trip to Wild life (week end)	2
7	Behaviour as response to a stimulus.	2
8	Innate Behaviour learning interaction.	2
9	Behaviour of communication between animals.	2
10	Communication between animals and humans, chemical communication by pheromones.	2

11	Pattern of sexual behaviour.	2
12	Migration and knowledge of trends in animals,	2
13	social and biological reproduction.	2
14	Habits and natures in animals. General revision. Field Trip to wild life (week end)	2
15	Revision	1
16	Final exam.	
Total		30

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		
1.1	Identify the different types animal behavior.	1. Lectures and student research papers. 2. The using of visual display such as PowerPoint. 3. Homework assignments. 4. Discussions (connecting what they learn in the class and applying this information in laboratory).	- Homework and Quizzes. - Midterm and final written exams. - Evaluation of reports. - Group discussions and participation in the lecture. - Course work reports.
1.2	Know the different methods to study animal behavior.		
1.3	Learn the main concepts and principles of animal behavior.		
1.4	Recognize the relationships between hormones and animal behavior.		
1.5	Distinguish the effect of hormones on the behavior.		
1.6	Understand the effect of sexual behavior, predation, commensalism in population dynamics.		
1.7	Enumerate the effect of genetics on the behavior.		
1.8			
2.0	Skills:		
2.1	Record and describe animal behaviour.	1. Interactive lectures. 2. Seminars. 3. Participation of students in discussions during the lecture. 4. Trying to explain the issues in regular and motivated manner. Follow up the students in lab and during carryout all analytical techniques.	- Exam must contain questions that can measure these skills. - Quiz and exams. - Discussions after the lecture. Practical exam.
2.2	Search and analyse of behavioural data.		
2.3	Recognize the main concepts and principles of animal behavior.		
2.4	Realize mechanisms of hormonal and genetic factors on the animal behavior.		
2.5	Acquire some behavioral applications such as sexual behavior and parental care in different animal populations.		
2.6	Attain major methodology includes a combination of lectures by the lecturer, seminar presentation by the students and web-interactions.		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
3.0	Competence:		
3.1	Personal leadership activity	<ul style="list-style-type: none"> • Oral presentations. • Internet search assignments and essays. • Incorporating the use and utilization of computer in the course requirements. 	<ul style="list-style-type: none"> - Evaluation of student essays and assignments. - Marks given to for good reports and presentations. - Evaluating during the discussion in lecture and reports. Part of the grad is put for student's written participation.
3.2	Self-learning in teamwork.		
3.3	Reports and presentations		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Periodical Exam(s)	4	10 %
2	Mid Term Exam (Theoretic)	8	20 %
3	Mid Term Exam (practical)	9	10 %
4	Reports and essay	11	5 %
5	Final Practical Exam	15	15 %
6	Final Exam	16	40 %
	Total		100 %

*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 :

2 Office hours/week

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Mc Farland, D. (1985). Animal Behavior. oxford , U.K.
Essential References Materials	Sohn Alcock (1999). Animal behaviour , an evolutionary Approach, U.S.A.
Electronic Materials	www.animalbehavior.com Scientific search engines on the internet.
Other Learning Materials	CD prepared by the staff members containing U-tube videos. Multi- media associated with the text book and the relevant websites. Microsoft office package.

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	The areas of class rooms are suitable, concerning the number of enrolled students; and air conditioned. Lecture room equipped with a black board and Data show. Instructors use their own laptop.
Technology Resources (AV, data show, Smart Board, software, etc.)	Class rooms are already provided with data show, audio-visual equipment.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Instruments for recoding some behavioral activities.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Student Feedback on Effectiveness of Teaching	Students.	Class room discussions. Questionnaires.
Evaluation of Teaching	Instructor or by the Department	Revision of student answer paper by another staff member. Analysis the grades of students.

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	Prof. Adnan Mohamed Hijji; Prof. Osama Mohamed Sarhan
Reference No.	
Date	21/11/2019