

**Institute of Zoology,
Faculty of Life Sciences
University of the Punjab, Lahore**



Course Outline

Programme	BS Zoology	Course Code	ZOOL-210	Credit Hours	1
Course Title	Lab. Animal behavior				
Course Introduction					
Animal Behavior is a fascinating field that explores the various ways of interaction of animals with their environment and other species. It emphasizes to learn animal responses to external stimuli and their behavioral mechanisms. It will be interesting for the students to understand the role of genetic and neurophysiology in behavioral development.					
Learning Outcomes					
On the completion of the course the student will be able to:					
1. Learn the fundamental information and knowledge of animal behavior					
2. Associate the role of external and internal stimuli on various animals during the day, season and year					
3. Relate daily biological rhythms					
4. Predict variety of animal actions which will be assessed by innate and learnt behavior study					
5. Integrate the animal behavior as balanced mechanism to develop animal personality					
Course Content				Assignments/Readings	
Week 1	Introduction to animal behavior practicals				
Week 2	Study of social behavior of termites				
Week 3	Trial and Error learning				
Week 4	Study of reflexes				
Week 5	Study of conditioned reflexes				
Week 6	Study of habituation in mosquito larva				
Week 7	Study of habituation in snail				
Week 8	Study of social behavior of honeybees				
Week 9	Study of Biological rhythms				
Week 10	Experiments showing hormonal involvement in behavioral responses				
Week 11	Study of latency, summation, warm up and fatigue				
Week 12	Study of inhibition and feedback				
Week 13	Study of the effect of light and darkness on mosquito larva				
Week 14	Study of Imprinting				
Week 15	Tour of Zoo for studying animal behavior in captive animals				
Week 16	A visit to Zoo Safarai				
Textbooks and Reading Material					
1. Dngatkin, L. A. 2012. Principles of Animal Behavior.W.W. Norton and Co.New York.					
2. Alcock, J. 2010. Animal behavior, an evolutionary approach. 9 th Edition. Sinauer Publishers.					
3. Scott, G. 2009. Essential Animal Behavior. Wiley publishers					
4. Scott, G. 2005.Essential Animal Behavior. Blackwell Pub. New York.					
5. Goodenough, J., McGuire, B., Wallace, R.A. 2001.Perspective on Animal Behavior. John Wiley & Sons, New York.					

Teaching Learning Strategies			
Teaching will be a combination of class lectures, class discussions, and group work. Short videos/films will be shown on occasion.			
Assignments: Types and Number with Calendar			
The sessional work will be a combination of written assignments, class quizzes, presentation, and class participation/attendance.			
Assessment			
Sr. No.	Elements	Weightage	Details
1.	Midterm Assessment	35%	Written Assessment at the mid-point of the semester.
2.	Formative Assessment	25%	Continuous assessment includes: Classroom participation, assignments, presentations, viva voce, attitude and behavior, hands-on-activities, short tests, projects, practical, reflections, readings, quizzes etc. class Attendance
3.	Final Assessment	40%	Written Examination at the end of the semester. It is mostly in the form of a test, but owing to the nature of the course the teacher may assess their students based on term paper, research proposal development, field work and report writing etc.