

ANIMAL BEHAVIOR

BIO 3213.002
 Fall, 2007
 T,TH 12:30 - 1:45
 HSS 3.04.26
 James M. Bower, Ph.D.

Month	Date	Topic	Text	Lorenz
August	23	Introduction / prep for field trip		
	28	Field trip to the pond (Chapter 1, lab book)	1	1 - 15
	30	Discussion of data / Intro Motivation and Organization	3	
September	4	<u>The Motivation and Organization of Behavior</u>		16 - 55
	6	directed discussion / smile lab (Chapter 8, lab book)		
	11*	Smile observations (working in teams of 2)		
	13*	Data discussion in small groups		
	18	5 minute data presentations and discussion / intro communication	5	
	20	<u>Communication</u>		57 - 87
	25	Directed presentation - communication / intro to development	4	
	27	<u>The development of Behavior</u>		88- 121
October	2	Directed presentation - development		
	4	An evolutionary perspective		hand out
	9	Directed Presentation - review for midterm		
	11*	MID TERM (Chapters 1,3,4,5)		
	16	<u>Foraging Behavior</u>	6	122-169
	18	directed discussion foraging		
	23*	Human observation research project design		
	25	10 minute Proposals for human observation research		
	30	<u>Avoiding Predation</u>	7	170-187
November	1	directed discussion		
	6*	Data Collection Human research		
	8	<u>Reproductive Behavior</u>	8	
	13	Directed Discussion		
	15	preparation of presentations		
	20	15 minute research presentations		
	22	THANKSGIVING		
	27	15 minute research presentations		
	29	Directed discussion - exam prep.		
December	5 (Wednesday)	FINAL EXAM (8:00 AM. Check your final exam schedule for all your classes. You may find that you have an unmanageable number of finals scheduled for a single day. If so, make the appropriate adjustments now; do not try to reschedule final exams later. Occasionally the University adjusts its working hours because of inclement weather. If that impacts this course, consult 458-SNOW and the ASAP websites for information.)		

* DATES DR. BOWER WILL BE OUT OF TOWN

COURSE ORGANIZATION

Course objectives: This course has been designed with the following objectives in mind:

- 1) To expose each student to the fascinating subject of animal behavior in the hope that taking this course will lead to a lifelong interest in the subject.
- 2) While particular material about what is known about animal behavior will be presented, the course is equally focused on generating an understanding regarding the process by which ethologists study animal behavior.
- 3) With this "process-based" approach, the hope and expectation is that students will understand the complexity of this subject, especially as it is a behaving organism (humans) who are studying behaving organisms (including other humans)
- 4) The ultimate objective of the course is to provide a new perspective on animal behavior, including the behavior of our own species.

Office Hours: Tuesday and Thursday, 2 - 3, (BSE room 1.628), and by appointment. You will also be able to text message or email questions / comments / observations etc at any time during the course to: bower@uthscsa.edu

Textbook: There is three required books for this course: Essential Animal Behavior, by Graham Scott; King Solomon's Ring, by Conrad Lorenz, and Exploring Animal Behavior in Laboratory and Field, by Bonnie J. Ploger and Ken Yasukawa.

Prerequisites: (as published in the current University Catalog): BIO 1113, 1122, and 1143, or consent of the instructor.

Course Structure: The structure of this course is a bit unusual for a traditional lecture based course, in that there will not be any lectures of the usual sort. This course will be taught in association with a 6,000 level course in neuro-ethology being taken by advanced undergraduates and graduate students. The undergraduates will be divided up into working study groups of 4, each supervised by one of the students in the 6000 level course.

Working largely in their study groups, students will be expected to participate in 4 types of activity: (a) Classroom based discussions and presentations of textbook material; (b) directed observations of animal (including human) behavior; (c) A term human observational project; (d) a minimum of once during the term, a special session on the neurobiology of a particular behavior presented by one of the 6,000 level course students.

The textbook material will be presented to the class in the following format:

1st. Dr. Bower will provide a ½ hour introduction to the subject of each chapter of the textbook before that chapter is considered by the class.

2nd Working in their study groups, students will discuss the chapter with themselves to determine concepts or ideas in the chapter that need further explanation, or on which they would like to know more information

3rd These requests will then be forwarded to Dr. Bower who will present the requested material to the class.

Attendance: Because the students themselves will, to a considerable extent direct this course, attendance is essential to its success. Material that Dr. Bower presents during the directed discussions is not likely to be included in the textbook, although he might hand out supplemental written information. Needless-to-say, classroom participation will be strongly encouraged even during these directed discussions. In addition, for this format to work, it will be essential that you actually come prepared to class, having read the assigned chapters and other materials. You will be held responsible for any substantive or procedural (eg. alterations in the exam schedule or reading requirements) information given in class. Needless to say Audio headsets, PDS's and empowered mobile phones are not permitted in class. Laptop activity must be directly related to activity in this classroom Continued enrollment in this class represents your agreement to these conditions.

Grading: Grades in the course will be given based on a combination of factors including weighted as indicated:

- 1) Participation in the work groups (which includes preparation prior to class) (15%)
- 2) The depth and extent of your notebook (10%)
- 3) Each student will be required to make one oral presentation to the class during the term. 10%
- 4) Design and completion of one independent human research project (working in teams of 4) 10%
- 5) Attendance at one graduate student presentation on the neural basis of a behavior (5%)
- 6) Results from the midterm and final exam (50%)

Examinations: There will be two, mandatory, multiple choice/true-false exams. Both exams will be based entirely on presented material in the Textbook "Essential Animal Behavior". Each examination will each be composed of 50 multiple choice questions. The midterm will cover chapters 1,3,4,5 and the final exam will cover chapters 6,7,8,9. For the exams, you will need to use ParSCORE scantrons (F-1712-ERI-L). Should you arrive to take any exam after the first person to sit for the exam has left the room, you will not be permitted to take that exam, regardless of the amount of time remaining. Examinations will be returned ONLY during class periods. Keep your scantrons until the end of the semester. Your scantron is the only record of your responses that will be graded.

"Extra-Credit": There is no "extra credit".

Grades will be awarded as follows:

A: 85% and above	B: 75 - 84%	C: 65 - 74%	D: 55 - 64%
F: 54% and below			

Be aware of the published deadline for withdrawing from the course and getting an automatic grade of W. After that date, if your grade average is an F, you will receive that grade as your final course grade.

Examination Instructions:

The following are the general instructions that will apply to your exams. (Note that time and number-of-questions will differ depending on the exam.) I suggest that you read them carefully prior to coming to the exam so that you will have the maximum possible time to answer the exam questions and not be handicapped because of unfamiliarity with these instructions.

This exam is a closed-book exam. You are not to use any materials nor receive or give any assistance to another student while taking the exam. You are not to discuss the exam with any student in either section of this course until the graded exams are returned. Violation of these stipulations will result in a grade of zero on your exam. You are expected to be familiar with the University's honor code and will adhere to that code and be bound by its prescriptions.

1. You are to use an unwrinkled, ParSCORE scantron (F-1712-ERI-L).
2. Enter your name on the scantron and darken the corresponding spaces.
3. Enter your ID number () in the last three spaces of the "ID Number" field on the scantron and darken the corresponding spaces.
4. Darken the slot corresponding to your test form in the space provided on your scantron.
5. There should be no extraneous marks on your scantron; erasures should be clean.
6. There is a time limit on this exam. You will have fifty (50) minutes to complete the exam. This fifty-minute period will begin to run when the class is so instructed. Therefore, should you arrive late to the exam, you will still have to turn in your exam by the expiration of that same fifty-minute time period. THE EXAM MUST BE PASSED IN BY THE END OF CLASS IN ORDER FOR IT TO BE GRADED.
7. For each question on this exam, make a record of your answer selection on the

question booklet and also darken the corresponding slot on your scantron with a number 2 pencil.

8. Pass in your scantron as you leave; keep your exam booklet. Your scantron is the only record of your responses that will be graded.

Make-up Exams (those administered after the time of the scheduled exam): If you anticipate being absent for an exam, it may be possible to arrange for you to avoid taking a make-up exam and instead take the same exam that the rest of the class is scheduled to take but only if you arrange to take that exam prior to the scheduled exam time. Make-up exams are only available to (a) those that have made arrangements with me prior to the scheduled time of the exam, and (b) those who, within a few days of the missed exam, can substantiate that through no fault of their own they were unable to attend an exam as scheduled. ("Through no fault of their own" includes such things as illness, emergency military service and auto accident in route to class but does not include such things as absence due to penal incarceration, heavy traffic, misreading of the syllabus and oversleeping). A request for a make-up exam must be made in writing as soon as practicable after the missed exam. Evidence supporting your claim of no-fault will be required. A request for a make up does not automatically qualify you for a make-up exam; permission MUST be granted to those who the instructor determines meet the qualifications for a make-up exam. For those who do qualify and receive instructor approval to take a make-up exam, an approximately one hundred-question exam will be available in the Department of Biology office on April 24 and 25. That exam will cover the material that was the subject of the first two exams. You will need to provide a new scantron for that exam. WHILE THESE GUIDELINES WILL SERVE TO DEAL WITH MOST INSTANCES WHERE THE AVAILABILITY OF A MAKE-UP EXAM IS AT ISSUE, THE INSTRUCTOR RETAINS COMPLETE DISCRETION ABOUT THE ULTIMATE AVAILABILITY OF SUCH EXAMS.

Receiving Exam and Course Grades:

You will not be able to receive your grades by telephone or e-mail.

Your grade on the first two exams will be made available the next class day after an exam. In addition, you should determine your grades by inspecting the choices you selected on your exam booklet and following the directions published with the exam key that is distributed after taking the exam. Any dispute of the posted grade must be made PROMPTLY and IN WRITING.

Final exam and course grade will be posted outside the classroom as soon as possible after taking the final. Grades and exam keys are NOT available at my office.

Every student is expected to be familiar with The University's stance regarding scholastic dishonesty:

"The University expects every student to maintain a high standard of individual integrity for work done. Scholastic dishonesty is a serious offense which includes, but is not limited to, cheating on a test or other class work, plagiarism (the appropriation of another's work and the unauthorized incorporation of that work in one's own work), and collusion (the unauthorized collaboration with another person in preparing college work offered for credit). In cases of scholastic dishonesty, the faculty member responsible for the class may initiate disciplinary proceedings against the student."

My position regarding scholastic dishonesty is that such behavior is intolerable. It is my obligations as a faculty member to do my best to assure that the performance of a student be evaluated fairly and that all students be treated similarly. Acts of scholastic dishonesty are inconsistent with both and will be dealt with severely.