

**BEHAVIORAL BIOLOGY Fall 20XX**Tuesday 10:20 AM - 11:40 AM LILV [TIL-264](#)Tuesday 12:00 PM - 1:20 PM LILV [TIL-264](#)Thursday 12:00 PM - 1:20 PM LILV [TIL-264](#)

Dr. Joanna Burger

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Overall Goal: To have a basic understanding of the function, biological significance, causation and evolution of animal behavior.

	CHAPTER ASSIGNMENT	TOPICS COVERED
	Chapter 1	Introduction to the course, goals, assignments and grades, what is ethology?
	Survey Directions	History of ethology; complex behaviors
	Book report directions	Learning
	Surveys Due	Guest lecturer (Nick)
	EXAM 1; book report directions	Complex behaviors
	Chapter 8	Aggression and dominance
	Chapter 2	Pecking order, territoriality
		Displays and communication
		Instructions for how to do a scientific paper
	EXAM 2	
	Chapter 6,9; Term Paper approval	Message-meaning analysis
	Chap 6, 13	Social organization
	Chap 6,13 NOV 20 TERM PAPERS DUE	Social organization, animals in groups
		Guest Lecturer
	REVIEW	
	EXAM 3	

**NOTE:**

1. Surveys must be handed in, AND data entered on the provided excel sheet on Sakai.
2. Term paper must be typed and in scientific format
3. There are NO extensions or make-up exams WITHOUT a Dr. written note.

**Learning Goals**

1. To understand basic areas of animal behavior, particularly as they relate to the biological and ecological basis, focusing mainly on animals in the wild.
2. To be able to objectively understand and evaluate information about animal behavior and ecology encountered in our daily lives.

3. To understand and be able to objectively evaluate the role of behavior in the protection and conservation of animals in the wild.
4. To consider and evaluate behavior of all animals, including humans, in the complex ecological world, including the urban environment.
5. To conduct a behavioral study and survey.

#### Overall Approach

1. Lectures
2. Movies that depict specific behavior or behavioral ecology of individual species, groups of species, or species within their ecosystems.
3. Term papers which, over the years, have included behavioral observations of animals in the wild, observations of humans as surrogates, review of animal behavior from a range of books, evaluation of a behavioral topic using my naturalists books (Pine Barrens or Jersey shore animals).
4. Course includes lecture + lab, arranged to facilitate the work (i.e. sometimes lectures are during the lab period, and sometimes labs are in the lecture period, depending upon the time required).

TEXT: J. Alcock – **Animal Behavior (7<sup>th</sup> or 8<sup>th</sup> edition)** and J. Burger - **A Naturalist Along the Jersey Shore**

COURSE GRADES – Grade point average whereby 90+ = A; 80-89 = B, 70-79 = C; below = D

GRADE POINT AVERAGE of:

Points on Exam 1 (around 100 points)

Book Report (100 points)

Points on Exam 2 (around 100 points)

Term Paper (200 points)

Points on Exam 3 (around 100 points)

Survey (50 points)

Grade is average of points earned divided by total points (**about 650**). **NO EXTRA CREDIT.**