

BIOLOGY 345 Autumn 2006 ANIMAL BEHAVIOR

Instructor: Dr. T. E. Reimchen, Cunn. 251, Phone 721-7101

Lab. Coordinator: Dr. R. M. Marx, Petch 110, Office Hours: Friday 1500-1600
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Lectures: Mon, Thurs 1000-1130. Elliot 168

Labs: Petch 110

General outline of lecture topics

Historical approaches to the study of behavior

General diversity of nervous systems and behavior among animal phyla

Internal and external environments – proximate and ultimate causes of behavior (Chaps 1-5)

Animal communication and sensory exploitation (Chap 9)

Behavioral lateralization

Defenses against predators (Chap 6)

Optimal foraging, zoopharmacognosy (Chap 7)

Habitat choice and territoriality (Chap 8)

Evolution of sex - (Chap 10)

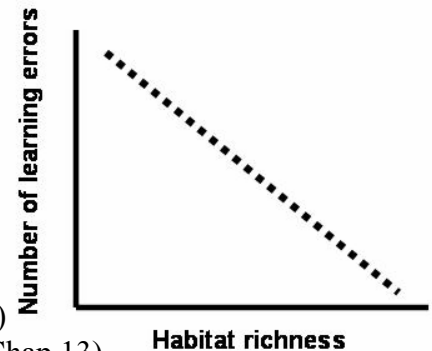
Mate choice –who and why? (Chap 10)

Monogamy/polygyny/polyandry – when and why? (Chap 11)

Parental tactics, brood parasitism, relative investment, infanticide (Chap12)

Sociality, cooperation, altruism, empathy, self awareness, consciousness (Chap 13)

Aggression, conflict and warfare (Chap 14)



Textbook: Animal Behavior-2005. 7th or 8th edition- John Alcock

Students are expected to browse at least 2 current biological periodicals in McPherson Main Floor on a weekly basis. (possible journals: Evolution, Nature, Science, Trends in Ecology and Evolution, Animal Behaviour, Behavioral Ecology and Sociobiology, Animal Cognition, Animal Learning and Behavior, Neurobiology of Learning and Behavior).

Laboratory (see Animal Behaviour, Biology 345, Laboratory Manual: Dr. R. M. Marx)

A hands-on analysis of simple and complex behaviors across a diversity of taxonomic groups including protists, jellyfish, sea anemones, flatworms, sea stars, crayfish, honeybees, fish, octopus, ducks and dogs. Includes a field project.

Grading

Lectures	Mid-term	- 20% (Oct 19)
	Final exam	- 35%
Laboratory	Lab exercises	- 22.5%
	Tutorials	- 12.5%
	Quizzes	- 10%

Note: Students not wanting their marks posted using ID# should notify me at the beginning of the term. It is the student's responsibility to meet the ADD/DROP dates from the UVic calendar. Students are responsible for checking their own records and registration status, available via WebView (www.uvic.ca/reco). Grades are assigned as follows: A+ 90-100; A 85-89.9; A- 80-84.9; B+ 75-79.9; B 70-74.9; B- 65-69.9; C+ 60-64.9; C 55-59.9; D 50-54.9; F 0-49.9. A supplementary exam is not permitted for those who get F in the course.