Biology 441 — Animal Behavior
Fall 1995 Schedule

My Scheduled Office Hours
M 2-5
R 8-12

Instructor: R. Dale Guthrie
Phone: 7142
Office: 106 Irving

TA-Kathy Walsh
Phone: 7078.6688

Required Texts:
Alcock: Animal Behavior
Krebs & Davies: An Introduction to Behavioral Ecology

LECTURE AND EXAM OUTLINE
The course is divided into 5 sections, for lecture and exam purposes. Chapters will be assigned from the texts along with reserve readings from other sources.

Sept. 11 — Sept. 27. Fundamentals of Behavior — evolution, genetics, development, organization, sensory ranges and life history features.

First Hour Exam — Sept. 27

Oct. 2 — Oct. 18. Social Behavior (Mating Behavior) — Males and females, mating systems, alternative mating systems, sociality above the family level.

Second Hour Exam — Oct. 18


Third Hour Exam — Nov. 8

Nov. 13 — Nov. 27. Behavioral Ecology — predator-prey behavior, place to live, feeding behavior, etc.

Fourth Hour Exam — Nov. 27

Nov. 29 — Dec. 13. Primate Behavior — Ethology of humans and other primates, and some larger issues pertaining to behavior.

Fifth Hour Exam — Dec. 13.
Final Exam a Take-Home Exam.
Animal Behavior has traditionally been designated as an oral intensive course in the department. I plan to continue this approach. In addition to your written report on your research project, you will be expected to present an oral report in lab on two papers on Animal Behavior in addition to an oral lab report on your research project. During the latter part of the course we will have open discussions in the lecture time.

**Lecture Exams:** This course will require a lot of reading and about 70-80% of the material on the exams will be based on those assigned readings, and relevant chapters in the text, the remainder will come from additional lecture and class discussions. Normally my exams have an objective first half (What is the difference between homology and analogy in behavior?) and a more discussion-commentary second half (Discuss how two different behavioral strategies — male salmon behavior of hook jaws and jacks — could become stabilized for long periods of time - give other examples).

**Labs:** Kathy Walsh will be in charge of labs. There will be one main field project, observing and recording information on caribou behavior at the Large Animal Research Station on Yankovich (1.5 miles directly north of campus). Additionally, you will be expected to do an original field or library research project. **That report is due Nov. 27.** The lab time is mainly reserved to give you time-credit to do these projects, and to watch videos-movies of behaviors we are discussing.

**Grades:** 80% of your grade for the course will come from your average of hour exam scores. I will try to write the exams such that 100-90, 90-80, 80-70, 70-60, will correspond to ABCD respectively. Of the remaining portion 10% will come from oral classroom-lab participation and the other 10% from the written paper.