

# Bemidji State University

## BIOL 3150: Animal Behavior

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduction to the study of the diversity, physiology, ecological context, and evolutionary development of behavior of invertebrate and vertebrate animals. Prerequisite: BIOL 1400 and BIOL 1500, or PSY 1100.

**B. COURSE EFFECTIVE DATES:** 09/03/2002 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Intro, History
2. Proximate/Ulimate theory
3. Genetics, selective breeding
4. Evolution
5. Nervous system
6. Circadian rhythms
7. Reproductive behavior
8. Mating and mate selection
9. Parental care
10. Development
11. Foraging
12. Social behavior
13. Predator-prey interactions
14. Migration and orientation
15. Learning and cognition

### D. LEARNING OUTCOMES (General)

1. learn how to identify proximate and ultimate causation.
2. understand selection pressures as identified as genetic or environmental.
3. have a better understanding of evolution as it pertains to behavior.
4. have a better understanding of the behavioral aspect of hormones, circadian rhythms, mate selection, reproductive strategies, etc.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted