**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 1211 and BIOL 1212, or PSY 1100.

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

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Intro, History  
2. Proximate/Ultimate 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