

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: Biol. 170 – General Zoology

Course Description: A survey of the animal kingdom, from simple to complex. Introductory topics include cell biology, genetics, evolution, ecology, and animal behavior. Major invertebrate and vertebrate groups will be covered with emphasis on structure, function, life history characteristics, and evolutionary advancements of each.

Course Objectives: A) To understand basic cell structure and function, B) To comprehend biological evolution of life on earth, C) To understand basic principles of genetics and development, D) To understand the classification and phylogeny of animals, E) To appreciate the diversity of animal form, F) To understand functional systems of animals, G) To understand the ecological relationships of animals to other living organisms, H) To develop basic laboratory skills through dissection and microscopic study.

Instructor: Allan Aufforth

Office: Nelson Science Center 102

Office Hours: MWF 9:00-10:00

Phone: 701-228-5463

Email: al.aufforth@dakotacollege.edu

Lecture/Lab Schedule: MWF 11:00-11:50/Tues 2:00-3:50

Textbook(s): *Zoology* / Miller & Harley

Course Requirements: 3 major exams each 120 pts.
Weekly quizzes each 20 pts.
3 Laboratory practical exams each 60 pts.

Grading schedule:

90%-100% = A
80%-89% = B
70%-79% = C
60%-69% = D
<60% = F

Tentative Course Outline:

- A. Basic biological principles.
- B. Evolution and origin of life.
- C. Cell structure and function.
- D. Genetics and development.
- E. Survey of the Kingdom: Protista

- F. Survey of the Kingdom: Animalia
- G. Animal behavior.
- H. Animal ecology.

General Education Goals/Objectives:

Goal #1: Explains the interrelationships between humans and their environment and the role of science in their lives.

Objective 3: Demonstrates an awareness of the role of science in everyday life.

Skill 2: Recognizes the role of science in understanding nature and society.

Relationship to Campus Theme: This course provides the student with a comprehensive understanding of the principles of species interaction. The study of the evolution of species from earlier periods to future times.

Classroom Policies:

All students will respect the classroom environment that will allow for maximum interaction between students and the professor. All cell phones will be turned off when entering the classroom, unless an emergency call is anticipated.

Academic Integrity:

All students will do their own, original work on reports, laboratory assignments, and essays. Any student caught cheating on an exam or quiz will be reprimanded the first time. If it happens again, the student will drop the class.

Disabilities and Special Needs:

Please inform the professor within the first week of classes if any assistance is required due to disabilities or special needs.