



Course Prefix/Number/Title: GENERAL ZOOLOGY - BIOL 170

Number of Credits: 4 (four) semester credits

**COURSE DESCRIPTION:** A survey of the Protist and Animal kingdoms and an introduction to animal evolution, behavior, and ecology. This course consists of three one-hour lecture and one two-hour lab each week.

Pre/Co-requisites: None

**Course Objectives:**

- 1) To learn and retain information essential to a broad knowledge of zoology.
- 2) To understand and utilize scientific methods of inquiry.
- 3) To understand current scientific views of natural phenomenon.
- 4) To practice sound, safe, and sensible laboratory techniques.
- 5) To appreciate the historic development of science.
- 6) To approach and solve problems by utilizing logical thought processes.
- 7) To apply scientific information and principles to everyday life.
- 8) Collect and organize data in a systematic manner.
- 9) To analyze and interpret data in accordance with scientific principles to make informed decisions and ethical choices.
- 10) To recognize the relationship between science and technology.

Instructor: Shubham Datta, PhD

OFFICE: NSC 114

OFFICE HOURS: M, W, F 9:00-10:50, T – 10:00-12:00; and by appointment

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LECTURE: 11:00 to 11:50 am MWF in NSC 103

LAB: 10:00-11:50 am on Thursday in NSC 128

Textbook: Integrated Principles of Zoology, Hickman, Roberts, and Larson, 15/16<sup>th</sup> Edition

TRAVEL FOR FIELD/LAB WORK: Students may need to travel for field/lab work during the semester.

Course Requirements:

**GRADING:** Grading is based on a standard college curve, where students earn a grade based upon the percent of total possible points they obtain. The lecture component of this course consists of 600 points (12 drop quizzes worth 5 points each, assignments worth 100 points, 3 lecture exams worth 100 points each, and one final exam worth 150 points). Drop quizzes and assignments may not be made up, but students will be able to drop the lowest two scores of the twelve drop quizzes given during the semester. There is a one week grace period to make up any missed exam. Any missed exam not made up within the allotted time will be given a zero. Make-up exams may be of an essay nature and are usually considered more difficult. (Note: It is the responsibility of the student to schedule make-up work with the instructor at a time convenient to both parties.) Final letter grades are assigned based on the following criteria:

- A = 90-100% of the total points
- B = 80-90% of the total points
- C = 70-80% of the total points
- D = 60-70% of the total points
- F = <60% of the total points

### **GOAL:**

The goal of this course is to facilitate learning about the animal kingdom so that students better understand and appreciate the inter-relationships between animals and their environment in order to promote the advancement of life sciences in society and to prepare students for a career in life sciences.

**General Education Competency/Goal # 1:** Identifies the interrelationships between humans and their environment.

LO 2: Demonstrates an understanding of the natural environment

LO 3: Applies scientific information in everyday life

### **Relationship to Campus Focus:**

This course addresses the campus focus by consistently utilizing the biological diversity of the region: the Turtle Mountain Forest, the prairie pothole region, the J. Clark Salyer National Wildlife Refuge, the International Peace Garden, and Lake Metigoshe. Using these as natural laboratories to strengthen the educational experience and continuously expanding academic and career programming, Dakota College at Bottineau integrates technology to prepare students not only for the present but also to go beyond and improve the future.

### **Student E-mail Policy:**

Dakota College is increasingly dependent upon e-mail as an official form of communication. A student's campus assigned e-mail address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus e-mail rests with the student.

### **Classroom Policies:**

All students will respect the classroom environment which will allow for maximum interaction between students and the professor.

**Lab policies:** Labs in this class are a privilege. Violation of school procedures regarding student conduct will not be tolerated. Many of the labs are all day field trips and you will be exempt

from other classes. However, this does not exempt you from the work that is missed for those classes. All missed work from classes missed because of lab will be made up per arrangements with the other instructors. Students that violate this will miss out on future field trips. Labs are repeated around the same time each year.

### Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

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:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

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

### Title IX:

Dakota College at Bottineau's (DCB) faculty are committed to helping create a safe learning environment for all students and for the college as a whole. If you have experienced any form of gender or sex-based discrimination or harassment, including non-consensual sexual intercourse, sexual harassment, relationship violence, or stalking, know that help and support are available.

DCB has staff members trained to support survivors in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The College strongly encourages all students to report any such incidents to the College Title IX Coordinator.

Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if you tell a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member **must** share that information with the College's Title IX Coordinator. If you wish to speak to a confidential employee who does not have this reporting responsibility, you can find a list of resources on the Title IX website.

[www.dakotacollege.edu/student-life/safety/title-ix](http://www.dakotacollege.edu/student-life/safety/title-ix)

TENTATIVE COURSE OUTLINE

| Week              | TOPIC                                                      | READING                  |
|-------------------|------------------------------------------------------------|--------------------------|
| Week 1 - Week 3   | Introduction to living animals                             | Ch 1 - Ch 4              |
| <b>Week 4</b>     | <b>Exam 1</b>                                              |                          |
| Week 4 - Week 8   | Continuity and Evolution of Life and Activity of Life      | Ch 5-8 and Ch 29 - 36    |
| <b>Week 8</b>     | <b>Exam 2</b>                                              |                          |
| Week 10 - Week 16 | Diversity of Animal Life and Animals and their Environment | Ch 9 - 28 and Ch 37 - 38 |
| <b>Week 16</b>    | <b>Exam 3/Final</b>                                        |                          |
| Sep 2             | NO CLASS - LABOR DAY                                       | Holiday                  |
| Oct 14            | Fall Assessment Day - No class                             | Holiday                  |
| Nov 11            | Veterans day - No class                                    | Holiday                  |
| Nov 27 - 29       | NO CLASS - THANKSGIVING                                    | Holiday                  |