

COURSE PREFIX/NUMBER/TITLE: Biol 170-22849-General Zoology

NUMBER OF CREDITS: 4 (four) semester credits

COURSE DESCRIPTION: A survey of the Animal Kingdom, and the Phyla/Classes within. This course consists of three one-hour lectures, and one lab exercise per 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: Chad Chapman

OFFICE/HOURS: NSC 113 MW 11:00 AM- 12:00 PM

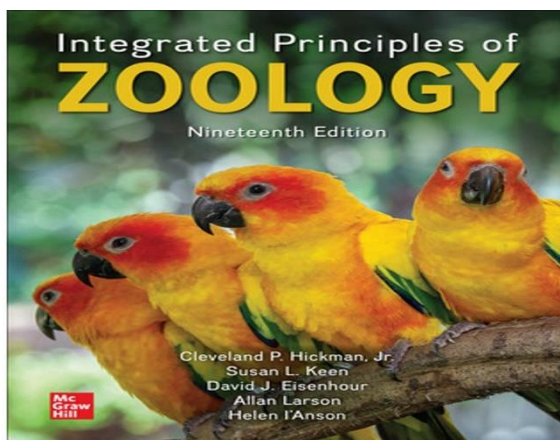
PHONE/TEXT: 559-540-5978

E-MAIL: chad.chapman@dakotacollege.edu

LECTURE: MWF 3:00-3:50 pm Rm.128

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

TEXTBOOK: Integrated Principles of Zoology, Hickman et al, 19th edition. [9781266577246](https://www.mhhe.com/9781266577246)



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

COURSE REQUIREMENTS:

GRADING: Grading is standard. Students earn a grade based upon the percent of total possible points they obtain. Both the lecture and lab components of this course consists of **860** points (3 exams at 100 points each, 15 homework assignments at 10 points each, 7 quizzes at 10 points each, 14 labs with participation at 10 points each, the Final exam at 100 points and a 5-page scientific report on an organism of your choice at 100 points. If needed, extra credit assignments will be available. Quizzes and assignments may not be made up. Homework assignments are due at the time of any given exam. 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**. (Note: It is the responsibility of the student to schedule make-up work with the instructor at a time convenient to both parties.)

Item	Points
Exams x3	300
Homework x15	150
Quizzes x7	70
Labs/Participation x14	140
Final Exam/Paper	200
Total points:	860

FINAL LETTER GRADES ARE ASSIGNED BASED ON THE FOLLOWING CRITERIA:

- A = 90-100% of the total points
- B = 80-89% of the total points
- C = 70-79% of the total points
- D = 60-69% of the total points
- F = 59% and below 59% 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.

ONLINE POLICIES (WEB CAMERA AND MICROPHONE IS NEEDED FOR THIS CLASS): Students and the professor will always keep their web camera on during class. Students may mute their microphone during lectures.

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

TENTATIVE COURSE OUTLINE:

	Monday, Wednesday, and Friday Breakdown		
	Lecture		Labs
Week		Readings	Topic
1 Jan. 10	M: No Class W: Introductions, syllabus review F: Ch.9-Architectural pattern of an animal	Ch 9	No Lab
2 Jan. 17	M: No Class W: Quiz/Ch.10-Taxonomy/ Paper Topics Due F: Ch.10/Ch.12-Sponges	Ch 10, and 12	Ex.6-Intro to Taxonomy
3 Jan. 22	M: Quiz/Ch.12 W: Ch.12 F: Ch.13-Cnidarians/Ctenophores	Ch 12 and 13	Ex.8-Sponges
4 Jan. 29	M: Quiz/Ch.13 W: Ch.13 F: Ch.16-Molluscs	Ch.13 and 16	Ex.9-Cnidarians/Ctenophores
5 Feb. 5	M: Quiz/Ch.16 W: Ch.16 F: Exam review	Ch 16	Ex.12-Mollusca
6 Feb. 12	M: Exam 1 W: Ch.17-Annelids F: Ch 17	Ch. 17	Ex.13-Annelids
7 Feb. 21	M: No Class W: Ch.19-Chelicerates F: Ch.19/ Rough Draft of Paper Due	Ch. 19	Ex.14-Chelicerates
8 Feb.26	M: Quiz/Ch.20-Crustaceans W: Ch.20 F: Exam Review	Ch. 20	Ex.15-Crustaceans
9 Mar. 11	M: Exam 2 W: Ch.21-Hexapods F: Ch.21	Ch. 21	Ex.16-Hexapods
10 Mar. 18	M: Quiz/Ch.23-Chordates W: Ch.23 F: Ch.24-Fishes	Ch. 23 and 24	Ex.18-Chordata
11 Mar. 25	M: Ch.24 W: Ch.24 F: No Class	Ch. 24	Ex.19-Fishes
12 Apr. 3	M: No Class W: Ch.25-Tetrapods F: Ch.25/Exam Review	Ch. 25	Ex. 20- Amphibians
13 Apr. 8	M: Exam 3 W: Ch.26-Reptiles F: Ch.26	Ch. 26	Ex. 21- Reptiles
14 Apr. 15	M: Ch.27-Birds W: Ch.27 F: Ch.28-Mammals	Ch. 27 and 28	Ex. 22-Birds
15 Apr. 22	M: Quiz/Ch.28 W: Ch.28 F: Final Draft of paper Due	Ch. 28	Ex. 23- Mammals
16 Apr. 29	M: Final Review W: Final Review F: Final Review		Final Review
17 May 6	Final Exam TBD		Cumulative exam, includes all covered chapters

