

BIOLOGY 1313 GENERAL ZOOLOGY (4 CREDIT HOURS)
Syllabus and Course Information Fall 2020

Instructor: Sean P. Graham
Office: WSB 221
Phone: (432) 837-8084
Class time: T-Th 930-1045; WSB 101

Office hours: virtual (email) zoom by appt.
Email: sean.graham@sulross.edu (Type
"Biology 1313" in subject line)

TEXTBOOKS:

Lecture: Miller, Stephen A. and John P. Harley. 2013. *Zoology*, 9th edition. McGraw Hill. ISBN 978-0-07-352417-7; ISBN 0-07-352417-4 **[OPTIONAL]**

COURSE DESCRIPTION

General Zoology provides a general survey of the animal kingdom, which considers the fundamentals of biological facts, laws, and principals as they apply to animals and functions of the organs and systems of representative animals.

ATTENDANCE. Missing any exam without notifying me in advance will result in a zero for that exam grade—no exceptions. Your reason for missing must adhere to the university excused absences policy (a documented family or health emergency) and you must tell me in person. You will have seven days (including weekends) from the exam date to make up a missed exam; the makeup exam will be different from the original exam. If you fail to appear (on time) for your scheduled exam or a makeup exam, you will be given a zero for that exam. **If you arrive for an exam after other students have completed and turned in their exam, you will not be allowed to take the exam.**
Finally, if you miss a class, it is your responsibility to get notes and other important information from a classmate. I will not re-teach lectures on an individual basis.

GRADING

Your grade will be determined based on your performance in lecture component of this course.

Exams (4 @ 100 pts)	400
Quizzes and reaction papers	50
TOTAL	450 points

The use of books, notes, cell phones, etc. during exams is not permitted. The only item allowed at your desk during an exam is a writing implement.

Student Learning Outcomes for biology (SLOs):

- 1) The student will be able to demonstrate an understanding of basic biological concepts, including but not limited to evolution via natural selection, cell theory, and the role and function of DNA.
- 2) The student will be able to demonstrate utilization of various field techniques toward addressing scientific questions in the specific discipline. These field techniques can include, but are not limited to, plant collection and processing, various animal collection techniques, ecological surveying and sampling, and biodiversity indexing.
- 3) The student will be able to use biological instrumentation to solve biological problems using standard observational strategies.
- 4) The student will develop writing skills by summarizing and critiquing recent relevant biological literature.

Marketable Skills:

- 1) Ability to organize, analyze, and interpret data.
- 2) Proficiency in using presentation software.
- 3) Experience in managing time and meeting deadlines.

- 4) Ability to speak effectively and write concisely about scientific topics.
- 5) Experience in the development of professional email correspondence.

Tentative schedule (subject to change)

Week	Topic	Chapter
1	Intro: Life on Earth; Zoology: The Evolutionary and Ecological Perspective	1/6
1	The Chemistry of Life (not in textbook)	X
2	The Chemistry of Life (not in textbook)	X
2	Cells, Tissues, organs	2
3	Cell division (mitosis)	3
First Exam: Sep 24, 2020		
3	Inheritance (Meiosis, genetics, DNA)	3
4	Cellular respiration (and photosynthesis)	X
5	Evolution	5
6	Evolution	5
6	Evolution	5
Second Exam: Oct 22, 2020		
7	Species concepts and speciation	8
8	Rise of the animals	8
8	Porifera and Cnidaria	9
8	Platyhelminthes	10
9	Mollusks	11
10	Annelids and Nematodes and others	12
Third Exam; Nov 19 2020		
11	Arthropods	14
11	Hexapoda	15
12	Dueterostomes: Echinoderms and Chordates	16/17
12	Chordates	17
13	Fishes	18
13	Amphibians and Reptiles	19/20
14	Birds	21
14	Yay! Mammals	22

Last day of class Dec 2. Finals Week Dec 4, 7-9

Students enrolled in distance education courses have equal access to the university's academic support services, such as Smarthinking, library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login information to verify students' identities and to protect students' information. The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website.

Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the Student's responsibility to initiate a request. Please contact me, Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.

SPECIAL COVID-19 STUFF:

- 1) **Masks: Face coverings are required indoors and outdoors on SHSU campuses** unless you are in a private space or are engaged in an activity for which wearing a covering is impractical. In this class, if a student refuses to wear a mask/wear a mask properly, class will be cancelled, and according to SHSU policy, I will be forced to report the student to the Dean of Students office. Please note that a face mask that has an exhalation valve or vent is not acceptable. <https://www.shsu.edu/katsafe/face-coverings#2d0290a3-7bfe-4a69-9bab-14fb494c332b>
 - 2) **Assigned Seating:** There will be an **assigned seating chart for each group** to encourage social distancing.
 - 3) **Disinfection of Classroom Surfaces:** Each person should disinfect their space at the beginning and end of each class meeting. The university has provided disinfectant wipes in our classroom. When you enter the classroom, please take a wipe and use it to clean your space before settling in. If possible, please keep that wipe to use again to clean your space before you leave. Although, SHSU will provide access to hand sanitizer at the entrances to classroom buildings, I encourage you to also carry your own sanitizer with you in public.
 - 4) **Orderly Dismissal:** When class is over, **I will dismiss students row by row**, starting with the row closest to the exit. Each day, I will end class a little early so that you have enough time to wipe down your desk and wait to be dismissed by row.
 - 5) **Food & Drinks:** There will be **no eating or drinking in the classroom**. If you need to take a sip of your drink during class time, you may leave the room to do so.
 - 6) **Paperwork:** In order to maintain social distancing and reduce the transmission of germs via paper, **all paperwork requiring faculty signatures should be sent as digital documents via email**, e.g., athletic schedules, doctor's notes, SSD forms, etc. I will not pass out any papers to students and I will not accept any papers from students.
 - 7) **Limited in-class interaction:** We will do our absolute best to maintain social distancing in the classroom. Please stay 6 feet away from my desk. I will be happy to answer general questions during class time, but I recommend that you address personal questions virtually.
 - 8) **No in-person office hours.** My office is not large enough to accommodate the CDC's recommendations for social distancing; therefore, all office hours will be held virtually.
 - 9) **Travel:** *If you have travelled internationally*, you are required to self-quarantine for 14 days upon your return. *If you have travelled locally or out of state*, you are required to self-quarantine for 14 days only if the local destination or state you traveled to is under a CDC COVID-19 travel advisory. <https://www.shsu.edu/katsafe/restart2020/faq#b73e7b75-e764-44b3-a404-66f4d498f0f6>
 - 10) **Illness:** Students who are experiencing COVID-19 symptoms, have been diagnosed with COVID-19, or have been in close contact with a person who has been diagnosed with COVID-19, PLEASE DO NOT COME TO IN-PERSON SESSIONS. <https://www.shsu.edu/katsafe/covid-19-protocols>
If you have tested positive for COVID-19, please self-report via the "Restart 2020" SHSU web page. Go to <https://www.shsu.edu/katsafe/restart2020/> and click on the link on the right titled "Report Your Positive Case" (alternatively, you may contact Erica Bumpurs directly at stdemb17@shsu.edu).
- Students who are symptomatic or who have had known exposure to COVID-19 may be tested at the Student Health Center.