

Bios 112L Introduction to Zoology Lab

Lab Instructor Contact Information:

S. Elizabeth Rácz
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TA Contact Information:

Altangerel (Auggie) Tsogtsaikhan
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Rachel Valenziano
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Lab Sessions

Day	Section	Time	Instructor
Tuesday	114	13:30-16:20	Elizabeth
Wednesday	112	13:30-16:20	Auggie
Wednesday	111	18:30-21:20	Rachel
Thursday	002	13:30-16:20	Auggie

Goals

1. Give you hands on experience with some of the diverse animal taxa of the planet.
2. Gain a working knowledge of taxonomy, anatomy, and biological vocabulary.
3. Students should gain an understanding of how animals compare and contrast, and how they are adapted to their particular way of life.
4. Get you to think about the natural world.

Material needed for lab

Notebook - Bound, hardback, & **unlined** pages for sketches and notes
Photographic Atlas for the Zoology Laboratory 7th Ed. by J. Crawley
Exercises for Zoology Lab 3rd Ed. by D. G. Smith

Skills to develop in lab

1. You should become familiar with proper microscopy techniques, dissection techniques, and handling of specimens.
2. You should be able to identify and classify animals into their proper taxonomic groups.
3. You should be able to identify and give the purpose of the major external and internal structures of these animals.

Lab Safety

1. Do not enter the laboratory when an instructor/lab supervisor is not present.
2. Use an approved disinfectant to clean your lab station at the beginning and end of each lab as directed by the instructor/lab supervisor.
3. Perform only authorized experiments
4. Wear personal protective equipment (PPE) when instructed to do so by your instructor/laboratory procedures or your lab supervisor.
5. Eating, drinking, mouth rinsing, applying cosmetics or lip balm or handling contact lenses is prohibited.
6. You are required to wear long pants/skirt and closed to shoes at all times while in the laboratory.
7. Be considerate of others working in the laboratory.
8. Clean all equipment, glassware, and the work area you have been using and return them to their proper places in the laboratory before leaving the lab.
9. Know the location and proper use of safety equipment in the laboratory.
10. Immediately notify the lab supervisor of chemical spills, broken glass or other hazards. **Do not attempt to clean up such mishaps/materials by yourself without first alerting your instructor/lab supervisor.**
11. **Immediately notify the instructor/lab supervisor of any accidents, injuries, or situations in which exposure to human blood or other potentially infectious materials in the laboratory regardless of how minor they may appear to be.**
12. You may be exposed to potentially hazardous materials in the process of completing your required laboratory activities. Persons with specific health concerns such as expectant mothers, wearers of contact lenses, persons with known hypersensitivities, etc. should consult their personal physician for advisement about potential risks before enrollment in the course.
13. In case of an emergency, think prior to aiding a fellow person in distress. Notify your instructor/lab supervisor first. If you then choose to assist an injured person, provide yourself with protection from blood or other potentially infectious materials.

Lab grade is based on

1. Weekly quizzes (10 @ 10 points each, drop lowest) **90 points**
 Quizzes will be based on previous week's lab material, plus one question from current week's lab. Emphasis on quizzes will be on vocabulary, taxonomy, structures, and function. Anything from the lab manuals, handouts, or the lab itself may be on the quiz.
 2. Lab Practicals (2 @ 50 points each) **100 points**
 They will be standard closed book practicals.
 3. Notebook (2 @ 20 points each) **40 points**
 Notebooks will be due on the day of the practicals. Notebooks should include reports/answers from exercises and diagrams of specimens, including anatomical labeling, classification, and notes on behavior, ecology, or other relevant information.
 4. Participation Points **20 points**
 Based on attendance, participation, and conduct.
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- Total 250 pts.**

Grading Scale

A+	= 97 – 100%
A	= 93 - 96
A-	= 90 - 92
B+	= 87 - 89
B	= 83 - 86
B-	= 80 - 82
C+	= 77 - 79
C	= 73 - 76
C-	= 70 - 72
D+	= 67 - 69
D	= 63 - 66
D-	= 60 - 62
F	= 59% and below

Grade Disputes – The 24/7 Rule

- 1) If you are unhappy with a grade you received in this class, and the error you perceive is not mathematical in nature (i.e. the TA added something together incorrectly) you are strongly encouraged think over the grade and why you received it. If you wish to discuss the grade, **you must wait at least 24 hours to do so before a formal objection may be lodged.**
- 2) Your objection to the grade must be in writing (e-mail is preferred).
 - a. You must make an argument for why you feel your grade does not accurately reflect your performance.
 - b. You must provide a good rationale for why the grade should be changed. This means you'll need to refer to specific criteria and show how your assignment meets the requirements.
- 3) You **must submit your objection within seven (7) days** of the time the assignment was returned to you.

Attendance Policy

You must attend all classes in order to pass this class. Due to the intensive nature of this course, a missed class will result in your falling behind the rest of the class and, unless the class is made up, will also result in your missing large amounts of material that will be covered on quizzes and practicals. If you are unable to attend class for a valid reason (illness, death in the family, field trip scheduled in another class, etc...) please let me know as soon as possible (preferably by e-mail), and ideally before the missed class occurs. Missing a class in no way absolves you from knowing the missed material and you will be responsible for the material on subsequent examinations. If you miss more than one class without an excuse, you will fail the class.

Make-up labs

In order to make up a lab in another section, arrangements must be made ahead of time **by contacting your TA and the TA of the lab you will attend**, however, allowances will only be made in special circumstances. You can only make up the lab the week that it is given. There will be no extra make-up labs, so any absences result in zero points for that day. TA's reserve the right to request a doctor's note any time a student is sick and misses class. In addition, special circumstances may require a change in this policy at the discretion of the Lab Instructor. **If you miss more than 1 lab during the semester, you will automatically receive a zero for the lab course.**

Academic Integrity

Cheating will not be tolerated in any form. This includes but is not limited to copying, plagiarism, reusing assignments from another class, turning in someone else's work as your own, etc... If you are caught cheating, you will receive a failing grade for the course, and be reported to Student Judicial Affairs Office. If you have any questions about what is or is not cheating, please come see your instructor, TA, and/or read the academic integrity statement that you signed when you enrolled with this university.

Special Needs Students

If you're a student with special needs, please talk to me as soon as possible so we can work out what special accommodations you may need, if any. In addition, please make sure you're registered with the UNL Services for Students with Disabilities Office (Admin. Building, room 132) @ (402) 472-3787.

Cell Phones, PDA's, iPods, etc...

As you have enrolled in the university as a student, I am operating under the impression that you are here to learn. As such, **all use** of cell phones (this includes texting), PDA's, iPods, and the like is prohibited. Please, do not use these devices while in class. I reserve the right to confiscate the offending electronic device after giving you a first warning. Confiscated electronics will be returned at my discretion.

The syllabus and you

This syllabus is a contract. By remaining enrolled in the course, you are agreeing to abide by its contents. If you feel any portion of this contract is unfair, it is your responsibility to contact the course instructor (S. Elizabeth Racz) before the end of the first week of class to discuss the issue(s).

Zoology Laboratory Schedule

Lab	Week	Topic	Atlas	Exercises
1	27-Aug	Taxonomy, Keys, and Systematics	vi-ix	vii-viii
2	3-Sep	Scopes, Protozoa*	1,2,3	1,4
3	10-Sep	Porifera, Cnidaria *	4,5	5,6
4	17-Sep	Platyhelminthes*	6	7
5	24-Sep	Nemata, Pseudocoelomates*	9	10
6	1-Oct	Mollusca *	7	8
7	8-Oct	Annelida, Nemertea *	8	9
8	15-Oct	<i>Laboratory Practical 1</i>	-	-
9	22-Oct	Fall Break, No Labs	-	-
10	29-Oct	Arthropoda	10	11
11	5-Nov	Echinoderms, Chordata, Fishes*	11,12,13	12,13
12	12-Nov	Amphibia, Reptilia*	14,15	15,16
13	19-Nov	Thanksgiving, No Labs	-	-
14	26-Nov	Aves*	16	17
15	3-Dec	Mammals*	17	18
16	10-Dec	<i>Laboratory Practical 2</i>	-	-
17	17-Dec	No Lab	-	-

* Indicates a quiz will be given.

