

ZOO3713C: Functional Vertebrate Anatomy Lab

Spring 2024

COURSE OVERVIEW AND OBJECTIVES

The lab portion of this class is designed to enhance your understanding of the organization of the vertebrate body through demonstrations, dissections, and other practical methods. Getting this hands-on experience will help put the material you learned in lecture into a whole-body context and provide perspective on organization and diversity.

REQUIRED MATERIALS

Kardong, K.V. and Zalisko, E.J. 2014. Comparative Vertebrate Anatomy – A laboratory dissection guide 7th Edition (or earlier editions). **Please bring to all labs.**

Handouts and readings for the labs will be posted on Canvas. Laboratory handouts will be posted by Thursday of the preceding week. Please plan on bringing these with you to the lab with a pen/pencil. During each lab session the following items will be provided: blunt forceps, blunt probe, sharp probe, scissors, scalpel, and gloves. You may bring a lab coat, aprons, and colored pencils if desired. You are **strongly** encouraged to read up beforehand!

INSTRUCTORS

Graduate Teaching Assistants

George Glen (george.glen@ufl.edu) and Kelsey Fenner (kfenner@ufl.edu)

Communication

Written communication should be made in Canvas (e.g., mail and announcements) unless there is an emergency. If a student fails to check Canvas, the instructor is not responsible for missed information. Grades will only be made available in Canvas.

TENTATIVE OUTLINE

Week	#	Topics	Format	Quiz
1/8		<i>First week – No meetings</i>		
1/15		<i>Holiday- no labs</i>		
1/22	1	Origin & Evolution of Vert; Integument	Demonstrations/preps	
1/29	2	Cranial Skeletal Systems	Demonstrations/preps	
2/5	3	Axial Skeletal Systems	Demonstrations/preps	
2/12		<i>No labs</i>		
2/19	4	Appendicular Skeletal Systems	Demonstrations/preps	
2/26		Lab Exam 1		
3/4	5	Initial Dissections- Shark and mink		
3/11		<i>Spring break- no labs</i>		
3/18	6	Muscular Systems I	Dissections	
3/25	7	Muscular Systems II	Dissections	
4/1	8	Digestive/Respiratory Systems	Dissections/Histology	
4/8	9	Circulatory/Urogenital Systems	Dissections/Histology	

4/15	10	Nervous and Sensory Systems	Dissections/Histology	
4/22		<i>No labs</i>		

LAB POINT DISTRIBUTION

Item	Points
Participation	100.0
In-lab Quizzes (5)	100.0
Lab Exams (2)	100.0
Total	300.0

The lab part of the course is worth 25% of your total 4 credit hour grade for ZOO3713C; see the lecture syllabus for grading scale details.

LAB PROTOCOL

Each week, you will attend your lab section and may begin with a quiz covering previous material. These quizzes will help prepare you for the types of questions you will see on the lab exams. You will then be guided through your lab: dissection, a tour through skeletal systems, online resources, and/or histology. **Note, your TA will not be showing you everything. It is up to you to explore!**

OTHER POLICIES

General Lab Policies

Dissection labs are messy, but your TAs will **not** clean up after you. You will be expected to clean up your dissections, including but not limited to cleaning dissection trays, dissection equipment, and benches if there is any contamination. Failure to do so will result in deduction from your participation grade.

Academic Honesty

All students are expected to hold themselves to a high standard of academic honesty. Dissections in the lab will be completed in small groups in which case you are expected to work together. If you become disruptive to a group or do not contribute your share to the work-load, you can be asked to work alone or leave.

Students must work alone on all quizzes and individual laboratory assignments. We will let you know which assignments you can work together on. Giving or receiving any unauthorized assistance for individual assignments will be treated as a deliberate violation of the UF Academic Honesty policy and will result in a failing grade.

If you witness any instances of academic dishonesty in this class, please notify the instructor or contact the Student Honor Court (392-1631) or Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Academic Honesty Guidelines [here](#).

Grading discrepancies

Concerns regarding the accuracy of graded assignments will only be taken into consideration if the respective instructor has been notified within 3 working days after the assignment grade is posted. Keep a copy of all assignments in case there is a problem.

Attendance and Absences

Laboratory attendance is mandatory. If the student has three or more unexcused absences (without discussion with the instructor or TA), the instructor may prohibit further attendance and subsequently assign a failing grade.

Switching labs

Students should attend the section for which he/she is registered. If a student desires to switch laboratory sections, whether for one laboratory meeting or for the entire semester, the student is required to obtain written permission from both laboratory section instructors. Additionally, the student may be required to find a student from the other laboratory section to exchange places with him/her. Students will NOT be allowed to attend an alternate laboratory section if doing so creates a hardship on either laboratory section class.

If you know you are going to miss a class, it is in your best interest to notify the instructor ahead of time in person or via Canvas mail. An excused absence from class does not excuse a student from fulfilling class requirements.

Students with Special Needs

Students with disabilities requiring accommodations should register with the Disability Resource Center (DRC) as soon as possible. The DRC may be contacted at (352) 392-2565 or refer to the website at <http://www.dso.ufl.edu/drc>. It is the student's responsibility to notify the instructor of any accommodation requests.

UF counseling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include: 1) UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services. 2) Career Resource Center, Reitz Union, 392-1601, career and job search services. Many students experience test anxiety and other stress related problems. "A Self Help Guide for Students" is available through the Counseling Center (301 Peabody Hall, 392-1575) and at their web site [here](#).

Mobile Phones, Laptops and Other Electronic Devices in Class

Only approved electronic devices may be used in class. Approved electronic devices are calculators, computers, tablets, and cell phones used to complete assignments. All electronics other than a scientific calculator must be put away during quizzes and exams.