

## ZOO 3713c COMPARATIVE VERTEBRATE ANATOMY Fall 2023 Syllabus

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**Course Description:** Comparative Vertebrate Anatomy: The vertebrate animals, relationships of organs and systems, and their phylogenetic significance.  
**PR:** Earn a minimum grade of C in each of the following: BSC2010C - Biology I (4) BSC2011C - Biology II (4)

**Required Materials:** 1) *Comparative Vertebrate Anatomy*, found on Webcourses  
2) Lab Book and Atlas found on Webcourses  
There will be a great deal of additional support materials on the Lecture Webcourses page.

### Grades:

The student's grade will be determined by both lecture and discussion performance.  
**Lecture:** four lecture exams (worth 100 points each). Total lecture points available is 400.

**Discussion:** 14 quizzes (worth 10 points each) and the 12 best quizzes count.  
Total Discussion points is 120.

Total possible points for the course is 520

### Grading Scale:

A = 520 -> 468  
B = 467 -> 415  
C = 414 -> 362  
D = 361 -> 309  
F = 308 -> 0

Note: +/- grades are not used in this class.

### Preparation:

You are expected to be prepared for every class. That includes reading all assigned materials before each lecture and discussion session.

**Important Dates:** Add Deadline – August 25  
Drop Deadline – August 25  
Withdrawal Deadline – October 27

**Office Hours:** M,W, and F 12:00pm to 1:00pm and by appointment

**Learning Outcomes:** The purpose of this course is to give you an understanding of vertebrate anatomy, the effects of evolution and development on anatomy, variations in anatomical features across vertebrate taxa, the ability to identify anatomical features, and a familiarity with dissection techniques.

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## LECTURE OUTLINE

<b>Week</b>	<b>Subjects</b>	<b>Text Chapters</b>
Aug 20	Introduction, Histology	1 & 3
Aug 27	Integumentary System	4
Sep 3	Skeletal Tissues, Axial Skeleton	5, 6
Sep 10	Axial Skeleton (cont.)	6
Sep 17	Appendicular Skeleton	7
Sep 24	Vertebrate Muscles	8
Oct 1	Nervous System	9
Oct 8	Nervous System (cont.), Special Senses	9, 10
Oct 15	Special Senses (cont.), Endocrine System	10, 11
Oct 22	Digestive System	12
Oct 29	Digestive System (cont.)	12
Nov 5	Respiratory System	13
Nov 12	Circulatory System	14
Nov 19	Urogenital System	15
Nov 26	Urogenital System (cont.)	15

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### Tentative Lecture Exam Schedule

<b><u>Lecture Examination</u></b>	<b><u>Date</u></b>	<b><u>Lecture Exam Material</u></b>
One	Sep 13	Ch. 1, 3, 4, 5
Two	Oct 4	Ch. 6, 7, 8
Three	Oct 23	Ch. 9, 10, 11
Four	Dec 4 (10:30-11:30)	Ch. 12, 13, 14, 15

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### DISCUSSION OUTLINE

<b>Date</b>	<b>Topic</b>
22 Aug	Osteology, basic skeletal features and terminology, vertebrae and ribs
29 Aug	Osteology, the skull and visceral skeleton in the shark, mudpuppy, and cat
5 Sep	Osteology, the appendicular skeleton in the shark, mudpuppy, and cat
12 Sep	Overall Osteology Review
19 Sep	Introduction to the Pressing Technique of Muscle Dissection
26 Sep	Introduction to Techniques of Superficial Muscle Dissection
3 Oct	Introduction to Techniques of Deep Muscle Dissection
10 Oct	Superficial Myology in the Cat, Mudpuppy, and Shark
17 Oct	Deep Myology in the Cat, Mudpuppy, and Shark
24 Oct	Overall Myology Review
31 Oct	Introduction to Techniques of Visceral Organ Dissection
7 Nov	Introduction to Techniques of Blood Vessel Dissection
14 Nov	Overview of the Circulatory System in the Shark, Mudpuppy, and Cat
21 Nov	Overview of the Visceral Organ Systems in the Shark, Mudpuppy, and Cat
28 Nov	Overview of the Urogenital Systems in the Shark, Mudpuppy, and Cat

Note: The Discussion will end with a quiz on the material covered that day.

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**Attendance:**

Due to the volume of material presented during this course good attendance is essential! You alone are responsible for all missed work.

**Lecture Section** will be held live, in class on MWF 10:30-11:20 in CB1-0103

**Discussion Section** is a Live-Synchronous-Virtual Course. The discussion will be conducted live during class days and assigned class times (Tu 1:30-3:20). The discussion will be held on the Big Blue Button (a conference tool on Webcourses). (<https://webcourses.ucf.edu/courses/1369842/conferences>).

It is my plan to have the discussions recorded so that you may review them at your leisure, use them to prepare for the lab (for those in ZOO 3713L), or to catch up if you missed a class. I am aware that that will make skipping class tempting. I strongly urge you to attend the discussions. That will be your best time to clear up any questions that you have on the material. (Also, to be blunt, I will notice who is attending and who is not. That may make a difference if you are "borderline" at the end of the term.)

**Make - Up Policy**

Lecture exams may be made up at the instructor's discretion. (Note: Such is a rare event.)

Discussion quizzes will not be made up under any circumstances. Since the lowest two are dropped any missed quiz will be part of the dropped scores.

**Academic Honesty:** Students should familiarize themselves with UCF's [Rules of Conduct](#).

According to Section 1, "Academic Misconduct," students are prohibited from engaging in:

- *Unauthorized assistance:* Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.
- *Communication to another through written, visual, electronic, or oral means:* The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.
- *Commercial Use of Academic Material:* Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.
- *Falsifying or misrepresenting* the student's own academic work.
- *Plagiarism:* Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.
- *Multiple Submissions:* Submitting the same academic work for credit more than once without the express written permission of the instructor.

- *Helping another violate academic behavior standards.*

For more information about Academic Integrity, students may consult [The Center for Academic Integrity](#)[Links to an external site.](#).

For more information about plagiarism and misuse of sources, see “[Defining and Avoiding Plagiarism: The WPA Statement on Best Practices](#)[Links to an external site.](#)”.

#### Responses to Academic Dishonesty, Plagiarism, or Cheating

Students should also familiarize themselves with the procedures for academic misconduct in UCF’s student handbook, [The Golden Rule](#). UCF faculty members have a responsibility for students’ education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to academic misconduct. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a "Z Designation" on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://goldenrule.sdes.ucf.edu/zgrade>.

**Course Accessibility Statement:** The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need specific access in this course, such as accommodations, should contact the professor as soon as possible to discuss various access options. Students should also connect with [Student Accessibility Services](#) (Ferrell Commons, 7F, Room 185, [sas@ucf.edu](mailto:sas@ucf.edu), phone (407) 823-2371). Through Student Accessibility Services, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential access and accommodations that might be reasonable.

**Military Activity Statement:** Students who are deployed active-duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the semester begins and/or after they receive notification of deployment to make related arrangements.

**Title IX Statement:** Title IX prohibits sex discrimination, including sexual misconduct, sexual violence, sexual harassment, and retaliation. If you or someone you know has been harassed or assaulted, you can find resources available to support the victim, including confidential resources and information concerning reporting options at <https://letsbeclear.ucf.edu> and <http://cares.sdes.ucf.edu/>.