

# Human Evolutionary Anatomy (Online)

**ANT3515**

**Fall 2019**

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**Office Hours:** Thursdays 12:00-3:00pm

**Course Website:** <http://lss.at.ufl.edu/>

## **Required Text:**

Cartmill, Shafland & Hylander. 1987. *Human Structure*. Harvard University Press  
(most recent edition)

## **Recommended Texts:**

You might also benefit from anatomy coloring books or other anatomy books. The required textbook provides some of the evolutionary context for the structures we see in the human body, however, students often find a basic anatomy book useful for identifying structures.

## **Course Description:**

Survey of human anatomy from evolutionary and embryological perspectives. The phylogenetic and functional basis for human form. Anatomical principles underlying developmental and functional disorders are explored through clinical and comparative examples.

## **Course Objectives:**

- 1) Survey regional and systemic human anatomy
- 2) Explore the embryological and historical basis for human structure
- 3) Evaluate the evolutionary significance of anatomical relationships and variations.

In this course, you will learn how to use the facts of anatomy to understand human adaptation as well as how evolutionary and developmental processes have shaped the human body.

## **Assessments and Grading:**

Grades are determined based on student performance on quizzes (n=9), activities (n=9), discussions (n=9), and one final exam (n=1).

This course consists of 9 modules over the course of 15 weeks. Students are responsible for watching lectures available on Canvas and complete the required readings before beginning assignments for the module.

Each module contains one quiz, one discussion, and one activity. Online quizzes will consist of 20 questions for a total of 20 points, and are closed book. Activities are each worth 15 points (except for Activity 1), and will be a mix of identification, matching, and/or short answer exercises. Discussion posts will be worth 10 points each and require students to provide their own original, substantive post, as well as responses to two other students. Please see each discussion prompt on Canvas for details regarding word count and content. The final exam will be cumulative and administered during finals week and will be worth 100 points. Specific due dates for each Module can be found at the end of the syllabus. Assignments are typically due at 11:59pm.

180 pts Quizzes  
90 pts Discussions  
130 pts Activities  
100 pts Final Exam  
500pts Total

### **Percentile Breakdown**

Percent	Grade
100-93	A
92-90	A-
89-87	B+
86-83	B
82-80	B-
79-76	C+
75-73	C
72-70	C-
69-66	D+
65-63	D
62-60	D-
59-0	E

### **Late Work:**

No late work will be accepted for full credit except for reasons of medical or family emergency (documentation required). If you experience something that hinders your ability to complete course work on time, you must reach out to the instructor as soon as possible.

**University Honesty Policy:**

All students must comply with the University of Florida's Student Honor Code.

(<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>):

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

Academic dishonesty in any form will not be tolerated and is subject to university policy (University of Florida Rules - 6C1-4 Student Affairs). The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the Instructor in this class.

**Disability Statement:**

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services, and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. NOTE: The student must provide the instructor with this documentation within the first two weeks of class. Documentation will not be accepted as a "pass" for students to miss and/or retake any quizzes or exams. This is to protect those students who legitimately require assistance and to protect academic integrity. It is also the student's responsibility to arrange with the Instructor concerning accommodations.

**Harassment and Discrimination:**

"Harassment" is defined as conduct that (1) is of any type (written, oral, graphic, or physical), (2) is directed towards or against a person because of their personal status (i.e., race, religion, sex, sexual orientation, political affiliation, national origin, age, disability, marital status, pregnancy or others), and that (3) unreasonably interferes with the individual's work, education, or participation in activities or programs at UF or creates a working or learning environment that a reasonable person would find threatening. "Discrimination" is defined as a conduct that (1) adversely affects any aspect of an individual's employment, education, or participation in activities or programs at UF, and (2) is based on one or more personal characteristics listed above. Any student who feels that his/her rights have been violated may speak to the instructor who will direct the complaint through the proper university channels, or the student may directly file a complaint with UF Department of Human Resources.

**Course Evaluations**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.ua.ufl.edu/students/>. Students will be notified when the evaluation period

opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or at <https://ufl.bluer.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.ua.ufl.edu/public-results/>.

### Course Schedule:

Module	Reading	Assignment	Due Date
<b>Module 1: Vertebrate Organization</b> Aug. 20 – Sept. 9	Preface Chapter 1 Chapter 2	Activity 1	Sept. 5
		Discussion 1 Original Post	Sept. 6
		Discussion 1 Response	Sept. 9
		Quiz 1	Sept. 9
<b>Module 2: Nervous System</b> Sept. 9 – Sept. 16	Chapter 3	Activity 2	Sept. 12
		Discussion 2 Original Post	Sept. 13
		Discussion 2 Response	Sept. 16
		Quiz 2	Sept. 16
<b>Module 3: Body Wall of the Trunk</b> Sept. 16 – Sept. 23	Chapter 4 Chapter 5	Activity 3	Sept. 19
		Discussion 3 Original Post	Sept. 20
		Discussion 3 Response	Sept. 23
		Quiz 3	Sept. 23
<b>Module 4: Circulatory System</b> Sept. 23 – Sept. 30	Chapter 6 Chapter 7 Chapter 8	Activity 4	Sept. 26
		Discussion 4 Original Post	Sept. 27
		Discussion 4 Response	Sept. 30
		Quiz 4	Sept. 30
<b>Module 5: Coelom and Gut</b> Sept. 30 – Oct. 7	Chapter 9	Activity 5	Oct. 3
		Discussion 5 Original Post	Oct. 3**
		Discussion 5 Response	Oct. 7
		Quiz 5	Oct. 7
<b>Module 6: Urogenital System, Pelvis, and Perineum</b> Oct. 7 – Oct. 14	Chapter 10 Chapter 11	Activity 6	Oct. 10
		Discussion 6 Original Post	Oct. 11
		Discussion 6 Response	Oct. 14
		Quiz 6	Oct. 14
<b>Module 7: Head and Neck</b> Oct. 14 – Oct. 28	Chapter 18 Chapter 19 Chapter 20 Chapter 21 Chapter 22	Activity 7	Oct. 24
		Discussion 7 Original Post	Oct. 25
		Discussion 7 Response	Oct. 28
		Quiz 7	Oct. 28
<b>Module 8: Pectoral Limb</b> Oct. 28 – Nov. 11	Chapter 12 Chapter 13 Chapter 14	Activity 8	Nov. 7
		Discussion 8 Original Post	Nov. 8
		Discussion 8 Response	Nov. 12**
		Quiz 8	Nov. 12**
<b>Module 9: Pelvic Limb</b> Nov. 11 – Dec. 4	Chapter 15 Chapter 16 Chapter 17	Activity 9	Nov. 21
		Discussion 9 Original Post	Nov. 22
		Discussion 9 Response	Nov. 25
		Quiz 9	Nov. 25
		<b>Final Exam</b>	Dec. 13

\*\*Note these dates are adjusted to accommodate UF regulated days off.