

Human Anatomy Syllabus

ZOO3731

Summer 2018

- **Instructor:** Dr. Sian Evans (sevans@fiu.edu)
- **Phone #:** 305-348-3513
- **Office location:** OE 221
- **Office hours:** Monday 10:30AM-12:30PM, Wednesday & Friday 7:40-8:40AM

- **When and where do we meet?**

MWF 9:00-10:05 AM

VH 131

- **Required Text:**

- o Human Anatomy. Martini, Timmons, & Tallitsch, 9th edition.

- **Course Prerequisites/eligibility:**

- o General Biology I (BSC 1010) or Foundations of Human Physiology (PCB 2099) or Introductory Microbiology (MCB 2000) or Human Biology (BSC 2033) or Clinical Physiology for Health (HSC 3549)

- o Co-requisite: Concurrent enrollment in both lecture and laboratory required. If you have taken lecture and lab previously and did not earn the grade that you wanted for both, I strongly suggest that you take both again at the same time. If you have taken both previously and have passed one of them with the grade you desired, then you only need to retake the course you failed.

- **Why should you care about Human Anatomy?**

Human anatomy is the **study** of the bones, joints, muscles, and systems of the **human body**. **Human anatomy** focuses on the structures of the **body** and the standard naming and definition of physical properties. Elements include the nervous system, cardiovascular system, gastrointestinal system, musculoskeletal system, and more.

I was an undergraduate in 1975 when controversial ideas about health and biology (and behavior) were debated in some of my college biology classes. It was an exciting time to study evolutionary biology and I continue to enjoy the challenge of considering the effects of human evolutionary change in explaining modern humans.

In this summer course, we will examine humans as unique animals shaped by evolution as hairless bipeds adapted for distance running and hunting. Hands that were no longer used in movement were free to craft tools (technology) and cook a high-quality diet that resulted in an increase in brain size. Our anatomy tells the story of our evolutionary success, and we will

follow these unique human changes when we discuss the structures and systems of our bodies.

- **How will this course help you succeed?**

This course will help you acquire a conceptual and practical framework that you can apply to solve complex challenges in your future careers, whether in research, academia or in the clinical field. By the end of this course, you will be able to:

- Recognize anatomical structures and explain the main physiological functions of body systems.
- Use anatomical knowledge to predict physiological consequences and use knowledge of function to predict the features of anatomical structures.
- Synthesize ideas to make connections between anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.
- Develop a vocabulary of appropriate terminology to effectively communicate anatomy-related information to future coworkers.

- **Where can you look for important information?**

- **Anywhere you want!** “Real” health field professionals use handbooks, textbooks, online resources, and peer-reviewed articles to learn what they need to know to answer complex questions.
- **Additional resources.** You will probably need additional resources to complete the full story surrounding the course material. Part of the story can be found in blackboard through the video recordings of the lectures. They are located in Modules, under each chapter.
- **Group work.** Studying with a partner or group may be very helpful! If you have a problem finding someone, please let me know in the beginning of the semester, and I will group you with someone. You will also work in a group environment inside the classroom. These groups are formed of 4 students each. These groups won’t be decided until after the add/drop date, so make sure you move around during the first week, in search of the best group to work with. Best group means that everyone will come prepared to class, everyone wants to/ and should be allowed to participate of the class activities. This might be the first step to being successful in this course. It is really important that you find the “perfect” group for you.

- **How will you succeed in this course?**

- **Review Lectures BEFORE Class.** Lecture videos for each class period are available on blackboard and should be viewed PRIOR to class attendance. Avoiding this task will result in poor performance on class activities and thus poor exam and course performance.
- **Communicate.** This course may be unlike any of your previous courses, with new challenges. You should let me know what ideas and tools are challenging to you and how you are doing in the course. If you start this habit early in the semester, then I

will be able to better tailor our activities to help you learn. If you are unable to meet with me during office hours please try to schedule a different time that is more convenient for you.

• **How will I evaluate your progress?**

o **In-class participation (25%).** Each class period may involve any combination of class discussions, and group activities based on the assigned lecture. You and your team’s goal is to identify, evaluate, and integrate the information you have learned and reviewed **prior to class** about the day’s topic and use this knowledge to address questions posed in class. Specific instructions will be provided with each assignment.

o **In/Out-of-class quizzes (20%).** Practicing by doing is often effective to help you learn and ensure that you understand the material. The quizzes are intended to help you determine whether you are keeping up with the material and to identify topics that you might need more time to work on before the major assessments. Use them wisely!! This means that you actually study for them before taking them. If you just copy your answers from your peers, this will set you up for failure on your major assessments and therefore for the whole course. Each quiz will contain five questions from the material that was covered for each chapter. Quizzes will open on Monday every week beginning May 14, and will close on Sunday at 11:59PM.

o **Major assessments (30%).** We will have three major assessments throughout the semester. Each assessment is worth 10%, for a total of 30%. Some of the questions will be of material covered on previous exams. This will help you integrate the concepts that you have learned throughout the semester and prepare for the final exam, which is comprehensive.

o **Final exam (25%).** The cumulative final exam will challenge you with a series of questions to assess your ability to integrate concepts and methods from class discussions and all the projects that were done in the classroom. These are more general questions of material that we expect you to know at the end of the semester without having to study much. This exam is made up of 50 MCQs.

**A schedule of the lecture can be found at the end of the syllabus.

• **Grade Scale:**

A	B+	B	C+	C	D	F
90-100	85-89	80-84	75-79	70-74	60-69	<59

• **Professional and Academic Integrity**

Exam Policies:

1. Prompt attendance at specified exam times is required. Students will not be admitted after the first student to complete the exam has left a testing room.

2. Except under exceptional circumstances, students should not leave the exam room any time during the exam. Attend to personal needs before being seated.
3. All personal items must be stored as follows:
 - Backpacks, book bags, computer bags, and the like must be placed along the sides, front, or back of the room. No such items will be allowed at the desks.
 - No drinks or snacks of any type may be at the desk.
 - Remove hats, caps, and all headwear. Headwear of a religious nature is permitted.
4. Nothing with an on/off switch (computers, tablets, cell phones, iWatch, etc.) is permissible at the desk or on your person.
5. You must have a photo ID and present this ID to the proctors when turning in each exam.
6. Students are not allowed to bring paper. If scratch paper is needed, the exam proctor will furnish it.
7. Questions: Proctors will not answer any questions related to content. If exam errors are found, I will determine how to correct the error (or omit the question) after all exams are completed. In the rare event that an exam is missing a page the proctor may answer the question and resolve the problem.
8. Students should not disrupt the exam environment in any manner including but not limited to talking and making unnecessary noises. In general, silence should be observed during the exam period.
9. All exam materials such as a paper exam, scantron sheet, and all scratch paper must be submitted to the proctor.
10. The faculty proctor will initiate an academic misconduct investigation, for all involved students who violate Exam Policies.

Missed Examination Policy: Make up exams will not be allowed unless you have a very good and official excuse, like a note from a doctor, hospital, parole officer, or court (not a mechanic). You must notify me in advance or within 24 hours of the incident by email and present your original official excuse within 48 hours of the event. If you arrive to an exam more than 30 minutes late, or after the first person finishes the test (whichever comes first) you will **not** be allowed to take the exam.

Make-up exams will consist of short answer essay question of the material covered in that exam period. You will have 1 hour for the exam, closed book (no notes).

Student Disability: Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact DRC (Disability Resource Center) within 1 week of the beginning of this course to make the necessary accommodations.

Sexual Harassment Policy: The Faculty Senate voted to require each professor to include a statement about this in the syllabus. FIU's sexual harassment policy is available online: http://www.fiu.edu/hr/eop/Forms/Policies/Sexual_harassment.pdf

Academic Dishonesty Policy: **Cheating or plagiarism will not be tolerated!!!** Cheating (looking at another's paper, possession of notes) is unacceptable, will result in an automatic zero on the assignment, and will be reported to University Officials. See the Student Handbook and PLAGIARISM POLICY regarding the FIU policies. I will also write an

informal misconduct complaint. Please don't cheat! If you are lucky, I will catch you. If you are not lucky, life will catch up to you.

Human Anatomy Schedule

<u>Date</u>	<u>Topic</u>
Monday, May 7	(1) Chapter 1 – Introduction to Anatomy
Wednesday, May 9	(2) Human as a Unique Animal
Friday, May 11	(3) Chapters 3 – Tissue Organization
Monday, May 14	(4) Chapter 4 – Integument
Wednesday, May 16	(5) Chapters 5 & 6- Introduction to Skeletal System/Axial Skeleton (Skull)
Friday, May 18	(6) Chapter 6 – Axial Skeleton (Vertebral Column)
Monday, May 21	(7) Chapter 7 – Appendicular Skeleton (Limbs)
Wednesday, May 23	(8) Chapter 8 – Articulations
Friday, May 25	(9) Chapter 9 – Skeletal Muscle Tissue
Monday, May 28	Memorial Day
Wednesday, May 30	(10) Chapter 10 – Axial Musculature/Last day to drop with DR
Friday, June 1	(11) Chapter 11 – Appendicular Musculature (Upper Limb)
Monday, June 4	Lecture Exam 1 (covers lectures 1-8)
Wednesday, June 6	(12) Chapter 11 – Appendicular Musculature (Lower Limb)
Friday, June 8	(13) Chapter 13 – Neural Tissue
Monday, June 11	(14) Chapter 14 – Spinal Cord
Wednesday, June 13	(15) Chapter 14 – Spinal Nerves
Friday, June 15	(16) Chapter 15 – Sensory and Motor Tracts
Monday, June 18	(17) Chapter 16 - Brain
Wednesday, June 20	(18) Chapter 16 – Cranial Nerves
Friday, June 22	(19) Chapter 18 – General Senses
Monday, June 25	Lecture Exam 2 (covers lectures 9-16)
Wednesday, July 27	(20) Chapter 18 – Special Senses

Friday, July 29	Independence Day
Monday, July 2	(21) Chapter 21 – The Heart Structures
Wednesday, July 4	(22) Chapter 21 – The Heart Conduction
Friday, July 6	(23) Chapter 22 – Blood Vessels
Monday, July 9	(24) Chapter 22 – Blood Circulation
Wednesday, July 11	(25) Chapter 24 – Respiratory System
Friday, July 13	Lecture Exam 3 (covers 17-24)
Monday, July 16	(26) Chapter 25 - Digestive System
Wednesday, July 18	(27) Chapter 25 – Digestive System Accessory Organs
Friday, July 20	(28) Chapter 26 – Urinary System
Monday, July 23	(29) Chapter 27 – Male Reproductive System
Wednesday, July 25	(30) Chapter 27 – Female Reproductive System
Friday, July 27	Final Exam (cumulative)

Every effort will be made to keep to the schedule, but minor changes may be needed as the semester progresses.