

**BIOLOGY 2401 SP18**  
**HUMAN ANATOMY LAB**  
**4 CREDIT HOURS**  
**SPRING 2018**

**Section: All**  
**Time: All**

**Bldg: LDB**  
**Room: 109**

**Lecture Course Instructor:**

Dr. Juan Daza Vaca, Assistant Professor  
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Office hours: TBA

**Lab Coordinator:**

Dr. Jordan Clark,  
Anatomy and Physiology, Applied Microbiology Course Coordinator  
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**Required Lab Manual:** SHSU Bookstore: *Human Anatomy Laboratory Manual W18 (Custom)*  
by Saladin Publisher: McGraw Hill  
ISBN: 9781307165791

**Attendance:** Attendance is mandatory. Each class meets for approximately 3 hours and you are expected to be present the entire class period or until you are dismissed. It will be almost impossible to pass the midterm and final exams without attending all labs.

- In order to get credit for each lab and quiz, you must stay a minimum of 2 hours.
- In order to get credit for each lab and quiz, you must have your lab book exercise completed and checked by your Instructor.
- In order to get credit for each lab and quiz, you must finish any other assigned activity for that day (Instructor's discretion).
- **If you know you will have to miss a lab, please make arrangements with your Lab Instructor at the beginning of the semester about possibly attending another lab.**
- **If you miss a quiz, you will NOT be allowed make it up.**
- **If you miss the Midterm or Final, you will NOT be allowed to make it up.**
- **NO MAKE UPS FOR QUIZZES OR LAB EXAMS.**

**Cheating will not be tolerated. Anyone caught cheating will be given a zero and will be reported to the Dean of Students for disciplinary action.**

**Lab Protocol:**

- No food or drink in lab – put it away in your bag

- No cell phone use
- During dissections:
  - Clean your bench at the beginning and end of each lab period with the disinfectant spray and paper towels provided.
  - Wash your hands before leaving lab
  - If you want to wear a lab coat, over-sized shirt, or apron, you must provide it.
  - Animal material from dissections will be either put away appropriately for later use or discarded in trash bags.
  - Gloves are ALWAYS discarded in Hazardous Material bags (red bags)
  - All dissection tools should be **washed and dried** and put away in the appropriate place. I provide the class with only one dissection kit per group, so you might want to buy a dissection kit of your own. They are available at most bookstores or online.
  - You are welcome to store your dissection kits and/or lab coats in the lab.

**Typical Laboratory:** Your lab TA will collect the prelab assignments and then provide a short introduction for the day's lab. You will begin going through the assigned material in your groups. You will do the lab assignments in the lab manual including identification, labeling, microscope, dissection, etc. You will complete the review questions at the end of each exercise before leaving. The lab manual will also have group and class exercises to be completed. Many labs will end with a practice quiz through Connect APR. You will not be allowed to leave until 75% or higher is achieved. The lab will be *unavailable* during other times so your scheduled lab time is the only time you will have access to the material in the lab room. On occasion, the lab may be open on the weekends "*open lab*".

**Lab Handouts on Blackboard:** For certain labs there will be a handout that you need to print and bring to class. **Please bring it with you to class.** This list is modified from the corresponding manual exercise. This list may include or exclude certain content from the lab manual. You are expected to learn the list of terms before you leave lab. Always bring your lab book with you and work through the assigned lab exercises. It has very good pictures and questions to help you learn. The actual models/specimens used in lab often do not look exactly like the pictures in the book. This means that you cannot adequately prepare for your quizzes and tests by just studying the lab book—you must come to class too!

**In Lab Assignment:** Each lab will have in-lab review assignment that will be due at the end of lab.

**Practical Exams:** There will be four lab practicals that will cover selected lab exercises. These practicals will consist of timed stations that individual students rotate through to identify and/or answer questions related to anatomy. Practical questions will come from the following sources:

Each student will receive an answer sheet to be filled out at each station. There will be no word bank provided so spelling is important for receiving full credit.

**There will be absolutely no make-up exams!**

**Grading:** Your lab and lecture grades are combined for one final grade.

Assessment	Points	Total
Practicals x 4	50	200
Quizzes x 5	10	50
Post Lab x 5	10	50

Week	Topic	Notes
2	Syllabus Review and Safety Sheets Intro to Anatomical terms	
3	Intro to microscope Cytology  Epithelial Tissue	Quiz 1
4	Epithelial and Connective Tissue Histology	Quiz 2
5	<b>Lab Practical 1</b>	

6	Intro to Skeletal system: Histology and microanatomy  Skeletal System: Axial	
7	Skeletal System: Axial and Appendicular	Quiz 3
8	<b>Lab Practical 2</b>	
9	<b>Spring Break</b>	
10	Muscular System: Histology, Gross Anatomy, Origins, Insertions, and actions	
11	Intro to Nervous system: Histology Brain and Cranial Nerves Special Senses(Eye)	Quiz 4
12	<b>Lab Practical 3</b>	
13	Cardiovascular System: Heart and Blood Vessels  Respiratory	
14	Digestive  Reproduction	Quiz 5
15	<b>Lab Practical 4</b>	