

BIOLOGY 2401 F17
HUMAN ANATOMY LAB
4 CREDIT HOURS
FALL 2017

Section: All
Time: All

Bldg: LDB
Room: 109

Lecture Course Instructor:

Dr. Juan Daza Vaca, Assistant Professor
Office in LDB 103B
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Office hours: TBA

Lab Coordinator:

Dr. Jordan Clark,
Anatomy and Physiology, Applied Microbiology Course Coordinator
Office in LDB 300B, phone (936) 294-2656
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Office hours: TBA

Required Lab Manual: Local Bookstores: *Human Anatomy Laboratory Manual 3rd*: Eckel
Publisher: McGraw Hill
ISBN: 9781260227482

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!

Pre Lab Assignment: Each lab will have a pre lab review assignment that must be turned in at the beginning of lab.

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:

- Lab Manual ID exercises and review questions
- Modified lab structure list
- Connect APR

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. Normally, 25% or 30% of the entire course grade is from lab while 70% or 75% is from lecture, **but you should always check your lecture syllabus to verify.**

Assessment	Points	Percentage%
Practicals	50	70
Pre Lab Assignment	Vary	15
In-Lab Assignment	Vary	15

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

6	Intro to Skeletal system: Histology and microanatomy Skeletal System: Axial	
6	Skeletal System: Axial and Appendicular Articulations	
7	Lab Practical 2	
8	Muscular System: Histology, Gross Anatomy, Origins, Insertions, and actions	
9	Intro to Nervous system: Histology Brain and Cranial Nerves Special Senses(Eye)	
10	Lab Practical 3	
11	Cardiovascular System: Heart and Blood Vessels Respiratory	
12	Respiratory Digestive Reproduction	

13	No Labs	
14	Lab Practical 4	