

BIOLOGY 2403L
HUMAN ANATOMY & PHYSIOLOGY LAB
1 CREDIT HOUR
FALL 2017

Section: All
Time: All

Bldg: LDB
Room: 109

Course Coordinator:

Dr. Jordan Clark,
Anatomy and Physiology, Applied Microbiology Course Coordinator
Office in LDB 148, phone (936) 294-2656
Email: jmc124@shsu.edu
Office hours: TBA

LAB SAFETY:

- 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
 - Do NOT wear lab gloves outside of the lab
 - No applying makeup
 - 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.

REQUIRED COURSE MATERIAL

Lab Manual: Local Bookstores: Martin, Terry: Laboratory Manual for Human Anatomy and Physiology

Publisher: McGraw-Hill Sciences
ISBN:

COURSE POLICIES AND ASSESSMENTS

As students at SHSU you are expected to behave in a professional and respectful manner. Please review the *Student Readiness Plan* and *Student Professionalism Guide* for more detail on policies and expectations for this course

Lab Attendance: Lab attendance is mandatory. You are required to stay the entire lab period. You may not leave during the lab without advance notice. Leaving during the lab will result in a zero for that lab's quiz and assignments. If you know will have to miss a lab, please make arrangements with the lab instructor. A lab absence must excusable according to university policy. Unexcused absences will result in zeroes for all quizzes, assignments, and practicals for the missed lab.

Lab Material: You are required to register for all required material. The Connect course site registration will remain open for a limit time. Once Connect registration has closed a second registration period will open in three weeks and remain open for 24 hours. You will not be allowed to make up any missed assignment during the closed registration period. The second registration period will be the final opportunity to register. If you miss the second registration period you will not be allowed access to any of the Connect assignments.

Course Assessment: This course has two components, lecture and lab, combined into one overall four-hour course grade. Your course grade will be determined by the following:

Assessment	Weighted (%)
Practicals	35
Post Labs	25
Quizzes	20
CTE	20
Total	100%

Practicals: There are two lab practicals for this course. Practical will assess your ability to identify anatomical structures based on location and function. Material will be presented by models, dissected animals, charts, and illustrations. Each practical will have 50 test items. Students will rotate through stations and have 30 seconds to answer that station's question. Students will rotate through all stations until they have finished the practical or the lab period has ended. A detailed protocol will be posted before each practical (this is not a review of content).

Students arriving to lab after the first 10 minutes will not be admitted to the practical and will receive a zero. A student missing a practical must have a documented excuse according to university policy. A make-up practical will be arranged by the course coordinator.

Post Labs: Post labs consist of questions from the end of each lab manual chapter. You will submit an individual post lab. Post labs will be typed and printed for submission at the beginning of the next lab period. Instructors will check off each submission for verification. It is your responsibility to make sure the instructor checked your name for verification of submission.

Critical Thinking Exercises: Certain lab chapters will feature critical thinking exercises(CTEs). The exercises will apply what you learned in lab to clinical or experimental cases. CTEs will be assigned at the completion of that lab period's experiment. Groups will immediately begin work on the CTEs with the remaining time. The CTEs are to be completed as a group (no individual work will be accepted). Each group will submit one completed CTE through *turnitin* in word or equivalent format. You must document and notify the instructor of any technical issues with *turnitin* submission. Late submissions will receive a 20% grade deduction. Make sure each member's

Quizzes: Quizzes will be approximately 10 multiple choice and short answer questions. Quizzes will cover anatomy and physiology exercises from previous labs. Quizzes will be administered at the beginning of lab. If you arrive to lab once a quiz has started, you will not be allowed to participate. You will receive a zero for that quiz.

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 Schedule:

The following schedule is subject to change. All changes will be posted in advance on Blackboard.

Week	Lecture	Lab
1 Jan 17	Ch 1	No Lab
2 Jan 22	Ch 1 Ch 2	The Laboratory Environment
3 Jan 29	Ch 2 Ch 3	Quiz 1 Orientation to the human body
4 Feb 5	Ch 4	Quiz 2 Cell Structure and Membrane Transport

		CTE 1
5 Feb 12	Exam 1 Ch 5	Quiz 3 Histology: Epithelial Tissue Histology: Connective Tissue
6 Feb 19	Ch 6	Lab Practical 1
7 Feb 26	Ch 7	The Skeletal System: Axial
8 Mar 5	Ch 8/9	Quiz 4 The Skeletal System: Appendicular
9 Mar 12	Spring Break	
10 Mar 19	Exam 2 Ch 10	Quiz 5 The Muscular System: Pig Dissections: Head, Neck, Thorax, Abdominal wall The Muscular System: Models ID: Head, Neck, Thorax, Abdominal wall
11 Mar 26	Ch 10 Ch 11	Quiz 6 The Muscular System: Pig Dissections: Back and Shoulders, Forelimb, Hindlimb The Muscular System: Models ID: Back and Shoulders, Forelimb, Hindlimb
12 Apr 2	Ch 11 Ch 12	Quiz 7 The Muscular System: Structure and Function

		CTE2
13 Apr 9	Ch 12	Quiz 8
	Ch 12	Brain and Cranial Nerves
14 Apr 16	Exam 3	Lab Practical 2
	Ch 13	
15 Apr 23	Ch 13	General and Special Senses
	Ch 13/14	
16 Apr 30	Ch 14	Quiz 9
	Ch 15	Reflexes anatomy and physiology
		CTE3
17 May 7	Finals TBA	