

BIOL 2404 Human Anatomy and Physiology I Lab

Syllabus Fall 2016

Lab Instructor: Kassandra Hernandez

Office: WSB 217

Phone: (432) 837-8715

Office Hours: T 11:30-1:30 TR 11:00-1:00 F 11:00-12:30

Email: KHer5349@sulross.edu

Lab Times: Section 1 – T 3:30-5:30 pm

Section 2 – T 7:00-9:00 pm

Recommended Lab Manual: Allen, C. and V. Harper. *Laboratory Manual for Anatomy and Physiology*. 2nd or 3rd Edition.

Course Description:

The purpose of this course is to introduce students to the importance of the human body and its various organ systems. This is designed as the first semester of a two semester course, and will cover basic internal life processes, as well as emphasizing the skeletal, muscular, nervous, and endocrine systems. This laboratory will focus on hands-on learning, combining laboratory and microscopic techniques with classical dissection.

Grading:

There are a total of **180 points** possible, which will count for 25% of your overall grade for the course. Your grade will be determined by your performance on:

2 lab practicals (100 total points)

8 Quizzes (80 total points)

Lab Practical 1 (Microscope/Tissues - The Cell, Anatomy and Division) **(40 points)**

Lab Practical 2 (Structure of Bone - Articulations and Biomechanics) **(60 points)**

We will have 8 quizzes (10 pts. each) during the semester. Each quiz will cover material presented in the previous lab(s). Quizzes will focus on the identification of structures and understanding of conceptual material.

Suggestion:

As per SRSU policy, students shall be dropped from the class with an F if they miss 20% (3 labs) over the course of the semester. If you are unable to attend lecture, please notify me by either e-mail, phone, or in person so that you will not be unnecessarily dropped from the course. Also, this course will involve dissection in the later half of the term. As such, please dress accordingly and avoid unnecessary problems (dangling hair, contact lens, formal wear, etc.)

Lecture courtesy: The general rules of classroom etiquette are below.

- 1) Please do not talk to others in class while the instructor is lecturing. If you have a question, **ASK THE INSTRUCTOR!**
- 2) No food or drink during lab (water/Gatorade etc. is okay. Except during dissection, it could get messy).
- 3) If you are going to attend class, please do so. Leaving and returning to class repeatedly is disruptive, as well as showing up after half the period is over or leaving before lab is over.
- 4) Please put away and turn cell phones to silent while in class. They are disruptive to the entire class, and distract others as well. You will be asked to leave.

Students with disabilities will be provided reasonable accommodations. If you would like to request such accommodations because of physical, mental, or learning disability, please contact the ADA Coordinator for Program Accessibility at 837-8178, UC 211.

Tentative Laboratory Outline

<u>Date</u>	<u>Lecture topic</u>	<u>Exercises</u>
Aug 23	No Laboratory	
Aug 30	Lab 1- Anatomical Position / Microscope / Tissues	1, 3, 6
Sept 6	Lab 2 - Enzymes	Handout
Sept 13	Lab 3- The Cell: Transport Mechanisms	5
Sept 20	Lab 4- The Cell: Anatomy and Division	4
Sept 27	Practical Exam I	
Oct 4	Lab 5- Overview of the Skeleton	8 + Handout
Oct 11	Lab 6- Axial Skeleton	9
Oct 18	Lab 7- Appendicular Skeleton	10
Oct 25	Lab 8- Brain & Cranial Nerves	16-21 in part
Nov 1	Lab 9- General Senses/ Olfaction & Taste	22-23
Nov 8	Lab 10- Endocrine System	25
Nov 15	Lab 11- Muscles I	12 + Handout
Nov 22	Lab 12- Muscles II	Handout
Nov 29	Lab 13- Articulations and Body Movements	11
Dec 6	Practical Exam II	

Note - This outline is subject to change for reasons of course interest, time constraint, or instructor whim. The exams will be administered on the dates given, unless material relevant for a given exam has not been covered. Under such cases, an exam may be moved a class period or two to aid in the clarity and understanding of the material.