

Syllabus

Biological Science 151L: Human Anatomy and Physiology Laboratory

Thursday 5:30 - 8:20pm Henry Hall Lab 4

Instructor: Frederique Kandel **Email:** Frederique.Kandel@adjunct.chaminade.edu

Office: Henry Hall 123C. Office Phone Number: (808) 739-8373 (shared office)

Office Hours: by appointment

This lab is intended to supplement the BI151 lecture and offers the opportunity to deepen your understanding of the structures and functions discussed in class. Course material this semester encompasses a detailed overview of the following systems: integumentary, skeletal, muscular, and nervous systems. Whenever possible the laboratory material will follow themes studied during the previous week in class to help you understand and review the material.

To achieve this goal we will use a combination of tools: anatomical models, specimens, tissue samples, simulation software (PAL and Physio Ex etc.) and the use of a lab manual.

The evaluation for the laboratory will be based on two practical exams, homework assignments and participation.

Required Texts and Supplementary Materials:

-Laboratory Manual for Anatomy & Physiology Michael G. Wood/ Pig version.

-Computer with internet access

-Access to MasteringA&P

-PAL 3.0 (Practice Anatomy Lab) available in the study area of MasteringA&P.

Expected Course Learning Outcomes:

1. Identify and demonstrate an understanding of major cell and tissue types
2. Identify selected structures of the human body
3. Relate the structures of the human body to their functions.
4. List the organ systems of the human body and explain their functions
5. Develop basic laboratory and dissection, skills which can be utilized in further investigations.
6. Apply knowledge of structure and function learned at one level or system to other levels or systems.

Grading Policy:

Attendance/participation	10%	A= 90% and up
Homework	30%	B= 80-89%
Practical exam 1	30%	C= 70-79%
Practical exam 2 (material covered after Practical 1)	30%	D= 60-69%
		F= less than 60%

-Please note that this point system is tentative and may change slightly.

-The laboratory attendance is mandatory, missed labs cannot be made up. You are responsible for all material covered in the lab.

-Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735-4845 or email: jyasuhar@chaminade.edu) by

the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at: [http://www.chaminade.edu/student life/sss/counseling services.php](http://www.chaminade.edu/student_life/sss/counseling_services.php).

Timeline:

8/29/2013	Introduction to terminology in Anatomy
9/5/2013	Histology (epithelium)
9/12/2013	Histology (continued) connective, muscular and nervous tissue
9/19/2013	Introduction to skeleton and bone structure
9/26/2013	Axial Skeleton
10/3/2013	Appendicular skeleton
10/10/2013	Review session
10/17/2013	Practical exam 1
10/24/2013	Articulations
10/31/2013	Muscle tissue/muscular system
11/7/2013	Neural tissue
11/14/2013	The Spinal Cord, Nerves, and Spinal reflexes.
11/21/2013	Brain and cranial nerves
11/28/2013	no class/Thanksgiving
12/5/2013	Review session
12/12/2013	Practical exam 2

Academic Honesty

Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action according to the University policies which may include recommendation for dismissal.

Withdrawal policy: Please consult your program coordinators for assistance regarding withdrawal from this course.