Biology 175
Introduction to Human Anatomy and Physiology

Dr. Penny S. Perkins
Office: Science Hall 2, room 121
Phone: 750-8148
Office Hours: Monday: 1300-1500; Tuesday: 10:30-11:30; before or after class, or by appointment.
Email: pperkins@csusm.edu or pisperkins@aol.com

OR  Anatomy & Physiology. Martini (2005)


Recommended:
PowerPoint Notes available online. Please print each lecture set out with three slides per page and lines adjacent to each slide so that you can take notes directly opposite each slide.

Course Objectives:  This course is the first in a series of two courses integrating human anatomy and physiology. In this course we will take a systems approach to understanding basic human structure and their respective functions. Material covered in this course includes basic anatomical terminology, basic biochemical and metabolic pathways, cell and tissue structure and function, and examination of the integumentary, skeletal, muscular, digestive and urinary systems.

Administrative information:
1. Attendance policy: It is critical to your success in this course that you attend class regularly, arrive on time, and pay attention in class. In the lab, work throughout the entire class period, even if you finish your lab assignment early—stay and study or review. If you do not attend regularly, you may be dropped from this class.
2. It is your responsibility to make sure that you are properly enrolled, and if you decide not to continue in the course, you must officially drop. If you stop attending class without officially dropping, the only choice I have is to assign you a letter grade of “F”.
3. Turn off all cell phones and pagers when in class.
4. Check for announcements on WebCT daily.

Evaluation and Grading:
Your grade will be based on the total number of points you earn. There are multiple opportunities to earn points. Throughout the semester, you will take about 11 quizzes worth 10 points each. Quizzes will be administered at the beginning of each lab session, and will be on the previous week’s lecture material. In lab, you will do review exercises based on those in the back of Marieb’s lab manual. Anatomy lab exercises are worth 10 points. When we do physiology experiments, you will write a lab report due the following week. Physiology lab write-ups are worth 25 points each. There will be three lecture exams
(the final is non-comprehensive and is the third lecture exam), and two laboratory practical exams. Each of these is worth 100 points.

Grades are assigned on a point basis as a percentage of the total number of points possible (e.g., number of points you earned on all assignments divided by the total number of points possible x 100).

**Grading Scale:**
- A: 100-90%
- B: 89-80%
- C: 79-70%
- D: 69-60%

**What are practical examinations?** Practical exams consist of approximately 25 stations set up on the lab benches throughout the room. Each station will have an object to be identified, such as a structure on a microscope slide, a type of tissue, cell, bone(s), organs, muscles, blood vessels, nerves, etc. You will be asked to identify the structure and/or state its function. There will be four questions per station and you will have 1.5 minutes per station.

**Make up Exams:** There are NO make up exams except if you have a serious and compelling reason for not being able to take an exam during the examination period. **NOTE: YOU MUST INFORM THE INSTRUCTOR AT LEAST ONE WEEK PRIOR TO THE EXAM DATE.** Bring a written explanation stating the reason for needing the make-up exam.

**Late Work:** Late lab reports or exercises will lose 10% of the total points possible per day late, and will not be accepted more than 5 days past the due date.

**Extra Credit:** There is NO extra credit.

**Academic Honesty:**
Any form of cheating/plagiarism will not be tolerated. This includes homework and lab reports as well as quizzes and exams. On all assignments, **DO YOUR OWN WORK.** Cheating will result in an “F” on the assignment/test, and “F” in the course, and you will be dropped from the class. Please refer to the CSUSM catalog.

**Students with Disabilities:**
Students with disabilities who require academic accommodations must present me with the appropriate documentation from the Office of Disabled Student Services (DSS, Craven Hall 5205; 750-4905, or TDD 750-4909) at the beginning of the semester. Please see me during my office hour so we can discuss how to accommodate your needs and sign the necessary paperwork.

**How to be an A & P survivor:**
This course covers a great deal of interrelated material. It is imperative that you understand topics covered early in the course to be able to comprehend information presented later on. **Always attend class.** We cover so much material each session that missing class will put you behind. You cannot depend on reading the book or viewing the online notes in lieu of attending. **DO NOT FALL BEHIND. Never miss lab.** There will be no opportunity to make up lab material as all sections are full. Learning anatomical
terms and structures require constant REPITITION REPITITION REPITITION and did I mention REPITITION.

Due to the amount of material to be covered in this course, you are expected to study extensively outside of class. This may mean coming to lab in the evening or on weekends. Be sure and make use of WebCT. All the information you need to know, including reviews and self-tests, are on my WebCT site.

The A & P Ten Commandments:
1. Thou shall put no other class before me!
2. Attend class every meeting.
3. Do not fall behind
4. Ask questions if you do not understand or didn’t hear a topic
5. Study outside of class (study groups work for many people)
6. Read the lecture and lab topic before coming to class.
7. Use the online resources
8. Use the terminology in your every day life, AND LEARN HOW TO SPELL IT
9. Listen, read, write lecture material
10. REPITITION, REPITION, REPITION

Other online resources:
http://www..getbodysmart.com This site provides information on skeletal and soft tissue structures and allows you to interactively label the pictures—it’s a great learning tool.
http://www.sci.lib.uci.edu/~martindale/MedicalAnatomy.html This site has links to histology images that can be helpful with laboratory material.
http://www.gen.umn.edu/faculty_staff/jensen/1135/webanatomy/ This site has labeling exercises for basic anatomy.