

Biology 2401 (4:3:3)

Anatomy and Physiology I

Biology Department

FALL 2009

Sandra Carter

Division of Arts and Sciences

Levelland Campus

SOUTH PLAINS COLLEGE

COURSE INFORMATION
Biology 2401
Human Anatomy and Physiology I
Fall 2009

Instructor:

Sandra Carter DVM
 Office S 146/ Office Plainview PC TTh
 806-894-9611 ext 2495
 e-mail: scarter@southplainscollege.edu

Fall 2009 Classes:

Biol 2401	Sec 002	MW 11 am- 1:30 pm	S143/ S150
	Sec 005	MW 2:30 pm- 5 pm	S143/ S150
	Sec 501	TTh 5 pm- 7:30 pm	Plainview

Office Hours:

Levelland	Monday 1:30-2:30 pm
	Wednesday 1:30-2:30 pm
	Friday 10 am- 12 noon
Plainview	Tuesday 2:30-5 pm
	Thursday 2:30 -5 pm

General Course Syllabus:

Available on my webpage
 Includes student learning outcomes

Purpose:

To provide a general understanding of human anatomy and physiology for those students in the allied health fields

To meet requirements for an Associate in Arts degree or Associate in Science degree

To meet the requirements of transfer students working toward a Bachelor of Arts or Bachelor of Science degree

Human Anatomy and Physiology 2401 is a sophomore-level class. One semester of college chemistry is **required**, and a general biology or zoology class is highly recommended. NOTE: Chemistry 1406 is **required** as a prerequisite for pre-nursing students, so pre-nursing students should take Chem 1406 prior to enrollment in Biol 2401! A less advisable option is to take Chem 1406 concurrently with Biol 2401. For students enrolled in other health career programs such as Rad Tech, HIS, Surg Tech, etc. where Chem 1406 is not required for these programs, you are strongly urged to take Biol 0300, Chem 1301, Chem 1406 or Biol 1413 prior to enrollment in Biol 2401! A strong background in chemistry is essential for

understanding anatomy and physiology, and will increase your chance of success in Biol 2401!!!!

This course is very detail-oriented!!!! Therefore, the memorization of very detailed information, as well as comprehension of that information is required to establish a basic knowledge of anatomy and physiology. **Due to the volume of information covered and the rapid pace of this course, you must be prepared to spend lots of time outside of class studying the text, lecture notes and the lab materials!!! You should be prepared to study in the lab outside of your regular class period (especially when we are learning bones and bone markings and skeletal muscles), and be aware that many resources (the Library Study Lab, A&P Labs in this building, etc.) have limited hours of operation during the semester.**

Because of the tremendous volume of information you need to learn and limited lecture time, you **must read and study the information presented in the chapters in the textbook**. I expect you to learn this material even though we may not have covered it in class. I have prepared outlines of the Power Point slides- they are **not** complete! They will assist you in following along in lecture and in studying the textbook.

Required Materials:

TEXT- Marieb, Elaine N. and Hoehn, Katja., Human Anatomy and Physiology, 8th Edition (comes bundled with A Brief Atlas of the Human Body, 2nd Edition, Student access kit with access code for My A&P website, Get Ready for A&P by Lori K. Garrett, PAL, Benjamin Cummings Interactive Physiology 10-system tutorial program

Outline of Power Point slides - available at my webpage

OR

*Alternate Anatomy and Physiology text

Access to Marieb Website- www.MyAandP.com (see below)

Photographic Lab Atlas- available in bookstore

*If you have an anatomy and physiology text other than the Marieb 7th or 8th edition text, consult your instructor, as it may likely be acceptable for this course. However, you will need to purchase the "My A&P Student Access Kit for Human Anatomy and Physiology" from the bookstore or online. This Access Kit will enable you to utilize the study resources on the Marieb website, including the Get Ready for A&P workbook and Benjamin Cummings Interactive Physiology 10-system tutorial program.

Attendance Policy:

Attendance at all lectures and labs is **mandatory**. In order for you to master the material presented, it is essential that you attend every lecture and lab. I routinely take attendance at the start of each lecture and lab period. If you are not in attendance when roll is taken but come in later, it is imperative that you notify me that you are in attendance, as my records will indicate that you are absent. A student may be administratively dropped after missing a total of 4 absences during the semester. I will closely monitor your attendance and if/when you accrue 4 absences during the semester, I will promptly drop you from the course for non-attendance. It is your responsibility to discuss with me any situations that preclude you from attending class and cause you to accrue numerous absences, to avoid being dropped from the course for non-attendance. If a student is administratively (i.e. instructor initiated) withdrawn from the class for non-attendance, the grade on transcript will be a "U" or "F".

If absence from the class is unavoidable due to illness, funeral, official school function, etc. it is **your** responsibility to obtain the notes and information we covered in class from a classmate.

The last day to drop classes with a "W" is Tuesday, November 24, 2009. If you drop the class before November 24, 2009, the grade on your transcript will be a "U" or "W". If you decide to stop attending class, it is your responsibility to take the proper action to have this course officially dropped from your schedule immediately, to avoid being administratively dropped (by me for non-attendance) with a "U" or "F".

NOTE: If you are receiving financial aid, it is your responsibility to visit with your financial aid advisor to determine how dropping this course will affect your present and future financial aid eligibility. (The 60% class attendance date is November 3, 2009; if you drop the class prior to this date OR if I drop you with a "U" or "F" for non-attendance prior to this date, you will be required to pay back a portion of the financial aid you received at the beginning of the semester.)

Arrive to class on time. If you have a situation that causes you to be habitually late to this class, you need to discuss the situation with the instructor, as we may be able to make other arrangements. Otherwise, two tardies will be equivalent to one absence. If you are habitually late, you may be administratively dropped from the course after 8 tardies. Come to class prepared by reading lecture and lab assignments and studying previous notes.

For additional information regarding the Fall 2009 semester calendar, Fall registration schedule and drop/withdrawal policy and procedures, refer to the Fall 2009 Class Schedule, which is available from the Admissions and Records office or online at www.southplainscollege.edu.

For additional information about SPC policies regarding class attendance, drops and withdrawals, academic probation and suspension, academic integrity,

student conduct, student records, etc. please refer to the SPC 2009-10 General Catalog, which is available from the Admissions and Records office or online at www.southplainscollege.edu.

Major Exams:

There will be five major exams this semester, with Exam 5 being the final. Your final grade will be determined by your cumulative point total from 5 equally weighted exams, each worth 100 points (maximum total points 500).

Final grade	Course Average	Total number of points (accounts for rounding)
A	>90%	447.5-500 pts
B	80-89.5	397.5-447.4
C	70-79.5	347.5-397.4
D	60-69.5	297.5-347.4
F	<59.5	<297.5

You will be expected to bring a #2 pencil and a good eraser to all exams. It is your responsibility to keep track of grades earned in the course.

Missed Exam Policy:

All exams should be taken on the scheduled day and class time. Make-up exams will be given only in certain circumstances. If you miss an exam due to extenuating circumstances such as serious illness, death of an immediate family member, or official school business you may be required to provide **written** proof and the appropriate documentation regarding the absence. The student is responsible for notifying the instructor **within 24 hours** of the scheduled exam about such emergencies. **The make-up exam must be taken within 7 days of the scheduled exam. It will be your responsibility to make arrangements to be present for the make-up exam. All decisions regarding make-up exams are at the discretion of the instructor.** A grade of zero for the missed exam will be recorded if these conditions are not met. Any other missed exams will receive a grade of zero.

Make-up exams are often different from the regularly scheduled exams and tend to be more difficult.

Lab Safety:

Information and instructions regarding safe laboratory procedures and potentially hazardous chemicals will be made available. **No food or drinks are allowed in the laboratories at any time. You may not remove items from the lab to take home to study (i.e. bones, models, etc).**

Disability:

Students with disabilities, including but not limited to physical, psychiatric or learning disabilities, who wish to request accommodations in this class should

notify the Special Services Office early in the semester (i.e. the first week of class- prior to the first exam) so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services Building, 894-9611 ext. 2529, 2530.

Cell Phones:

If you must bring a cell phone or pager to class, please make sure that the phone/pager is off and **does not ring in class**. "Texting" is not allowed during class or lab. All cell phones/pagers must be put away and cannot be used during exams.

Academic Dishonesty:

Cheating in any form is inexcusable and will result in serious consequences. If you are caught cheating, you will be dropped from the class. Students are expected to abide by the code of "Student Conduct" that can be found in the SPC 2009-10 General Catalog at www.southplainscollege.edu. Refer to "Academic Integrity" for definitions of cheating in the SPC 2009-10 General Catalog. Any student found copying another student's work or answers will be dropped from the class with an "F". Any student willfully allowing another student to copy his/her work will also be dropped from the class with an "F".

Academic dishonesty will be subject to the maximum penalties allowed by College policy.

Webpage:

www.southplainscollege.edu/biology/scarter/scarter.htm

You can reach the webpage by going to the South Plains College homepage and clicking on "Current Students", then "Faculty Web Pages", then finding my name under the heading "Biology". At the webpage you can access Word and Power Point files of: class outlines, ancillary illustrations, histology photos, cadaver photos, muscle model photos, etc. The webpage is password protected.

Username:

Password:

Study Materials:

In order to assist you in studying Anatomy and Physiology 1 and 2, the Levelland campus library has models, bones and other lab materials on reserve at the circulation desk. You can check-out these items for study in the library during the hours of operation of the library.

Levelland Campus Library Fall Hours:

Monday-Wednesday

Thursday

Friday
Saturday & Sunday

The Reese campus library also has a few bones and models on reserve available for you to study.

Reese Campus Library Fall Hours:

Monday-Wednesday
Thursday
Friday
Saturday & Sunday

Technology Center:

The Open Lab in the Technology Center is for use by all SPC students and faculty. The computers in the lab can be used to access web sites, power point outlines and view CD's (copies of Interactive Physiology CD on reserve)

Hours:

Biology 2401 *Tentative* Class Schedule

Week of:	Subject	Assignment
August 31-Sept 3	Intro to Anatomy and Physiology	Ch 1
September 7	Labor Day Holiday	
September 8-10	The Cell- selected topics	Ch 3
September 14-17	The Cell-selected topics Tissues/Histology	Ch 3, 4
September 21-24	Tissues/Histology	Ch 4
Sept 28-October 1	Axial skeleton/Skeletal tissues	Ch 7, 6
EXAM 1 September 28 (Monday), 29 (Tuesday)		
Introduction, Cell, Tissues & Histology, Skin; Chapters 1, 3, 4		
October 5-8	Skeletal tissues/ Axial skeleton	Ch 7, 6
October 12-15	Appendicular skeleton	Ch 7
October 19-22	Joints	Ch 8
EXAM 2 October 21 (Wednesday), 22 (Thursday)		
Skeletal tissue, Axial and appendicular skeleton, Joints; Ch 6, 7, 8		
October 26-29	Muscle physiology	Ch 9
November 2-5	Muscle physiology/Neurophysiology	Ch 9, 11
November 9-12	Central Nervous System	Ch 12
EXAM 3 November 9 (Monday), 10 (Tuesday)		
Muscle physiology and neurophysiology; Chapters 9, 11		
November 16-19	Central nervous system	Ch 12
	Peripheral nervous system	Ch 13
November 23-24	Peripheral Nervous System Autonomic Nervous System	Ch 13
November 25-27	Thanksgiving holiday	
November 30-Dec 3	Autonomic Nervous System	Ch 14
EXAM 4 December 2 (Wednesday), Dec 3 (Tuesday)		
CNS, PNS, ANS Ch. 12, 13, 14		
December 7-10	Muscular system	Ch 10
December 14-17	EXAM 5 FINAL EXAM Muscular system Chapter 10	
	Sec 002	Dec 14, 2009 1-3 pm
	Sec 005	Dec 14, 2009 3:15 p-5:15 pm
	Sec 501	Dec 15, 2009 5-7 pm

******NOTE: THIS SCHEDULE MAY BE CHANGED AS DEEMED NECESSARY BY THE INSTRUCTOR.**