

Biology 221: Anatomy & Physiology
 M, W 2:50-4:15 pm, Mathematics Lecture Hall 1

Spring 2012

Instructor:
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Text:
 Essentials of Human Anatomy &
 Physiology, by Elaine N. Marieb,
 10th edition, OCC special edition
(see final 2 pages of syllabus)
 (ISBN 1256123471)

DATE	TOPIC	CHAPTER (Marieb)	Due?
1/30	Orientation to A&P & the Body	1	
2/1	Chemistry	2	
2/6	Chemistry	2	
2/8	Cell structure	3	
2/13	Cell function	3	
2/15	Tissues, Skin & Body Membranes	4	
2/20	Holiday-No Class		
2/22	EXAM I	1-4	
2/27	Skeletal System	5	Hoag EC 1-3
2/29	Skeletal System	5	
3/5	Muscular System	6	
3/7	Muscular System	6	
3/12	Muscular System	6	
3/14	Endocrine System	9	
3/19	Endocrine System	9	
3/21	EXAM II	5, 6, 9	
3/26	Spring Break-No Class		
3/28	Spring Break-No Class		
4/2	Nervous System	7	
4/4	Nervous System	7	
4/9	Nervous System	7	Hoag EC 4-8
4/11	Circulatory System: Blood	10	
4/16	Cardiovascular System: Heart	11	
4/18	Cardiovascular System: Heart	11	
4/23	Lymphatic & Immune Systems	12	
4/25	EXAM III	7, 10-12	

DATE	TOPIC	CHAPTER (Marieb)	Due?
4/30	Respiratory System	13	
5/2	Respiratory System	13	
5/7	Digestive System	14	
5/9	Digestive System	14	
5/14	Urinary System	15	Hoag EC 9-14
5/16	Male Reproductive System	16	
5/21	Female Reproductive System	16	
5/23	EXAM IV	13-16	

Instructor and course information:

My office hours are as follows:

Monday 1:30-2:30pm

Tuesday 8:30-9:30am

Wednesday 1:30-2:30pm

Thursday 8:30-9:30am

I am happy to meet with you during my office hours, or by appointment. I also check my email several times a day, including weekends when I have time. Please do not ever think you are interrupting me; talking to students is my favorite thing and I am always happy to help you.

The last day to drop and apply for a refund is February 11; **YOU ARE RESPONSIBLE FOR YOUR OWN PAPERWORK!!** I will not drop you if you stop coming to class, and will give you a failing grade if you do not withdraw yourself from the course.

Absences are suicide in this course. Your excuse is not relevant, and generally is none of my business. Missing class will always harm your grade. If you are absent, you are responsible for anything you miss, and that includes getting notes, handouts, etc from your classmates. After you have studied these materials, I will answer a reasonable number of questions, but please do not expect private lessons.

Prepare for lecture by reading the assigned material before the class date. By coming to class prepared you can be an active participant, however if you aren't prepared you will fall victim to the course's fast pace.

You are expected to be on time for class. It is extremely rude and disruptive to come late or leave early. I will ask you to leave if you cannot respect your classmates or myself. Turn off your cell phones (NOT vibrate mode...**OFF**) during class. I do encourage an interactive learning environment, but you are expected to be quiet and respectful of whoever is speaking.

Spelling and grammar matter in all of your written work! I expect any written work you hand me to be high quality English. I grade academic content first, but careless writing or proofreading will cost you points.

Grading criteria: Accuracy, clarity, completeness, use of English, including grammar and spelling.

You will be assigned a single grade for this class. That grade will be determined by your performance in the two segments of the class, lecture and laboratory. Each segment of the class contributes approximately 50% to your final grade.

Grades will be broken down in lecture as follows:

Exams: 4 @ 100	400
Online quizzes: 10 @ 5	50
Skill building assignments: 10 ea.	??
Other assignments:	<u>??</u>
Total points for lecture: 450 + skill building points & other assignments	

Grades in lab will be broken down as follows:

There are three 100-point laboratory practical exams. Each practical exam will test lab material covered since the previous lab test. Refer to the *laboratory schedule* for the dates of these exams. Additional points for the lab will be obtained by submitting assigned lab reports from your laboratory manual (12 @ 10 pts each).

Points from lecture:	450 +
Points from laboratory exams:	300
Points from lab reports:	<u>120</u>
Total points for the course:	870 + skill building points & other assignments

I grade on a straight scale:

90-100% = A
80-89% = B
70-79% = C
60-69% = D
59% and below = F

The grade you earn is the grade you get!!

All laboratory classes meet in Biological Science 106. There are eight (8) total sections of lab. You are expected to attend and submit lab reports to your scheduled laboratory class; however, attendance in other labs in addition to your own may occur to allow supplemental study time. You may NOT take exams during any but your own scheduled lab section. Laboratory exams (practical exams) are administered in your scheduled lab room during regular lab hours as scheduled.

Please note:

- Keep track of all of your own points.
- Keep all of your tests and other graded work until the class is over..
- Assignments must be handed in on time to receive full credit. Late assignments will be docked 10% for each day (or fraction of day) that they are late, including weekends.

- Lecture exams may be based on lectures, tutorials, discussions and assigned textbook and paper readings.
- If you leave lecture early, you may not receive credit for any in-class assignments completed prior to your early departure.
- All exams count and there are no make-up exams without **prior** consent and only under extreme circumstances (i.e. a documented medical emergency). Make-up exams may be entirely essay and/or oral.

By the end of the semester, you should be able to:

1. Identify anatomical structures of the human body on human skeletal and cadaver specimens.
2. Identify anatomical structures on models and illustrations .
3. Identify primary tissue types on microscope slides.
4. Evaluate skeletal muscle contraction.
5. Evaluate cardiac cycle, blood typing, and measurement of blood pressure.
6. Evaluate respiratory volumes.
7. Evaluate production of brain waves.
8. Evaluate urinalysis.
9. Describe the relationship of the structure of the body to its function.
10. Discuss the concept of “normal limits” as applied both to anatomy and to physiology.
11. Identify various disease processes and how they affect both anatomy and physiology.

Student Learning Outcomes:

1. Identify gross and microscopic anatomical structures of the human body on illustrations, models, dissected organs, and on human skeletal and cadaver specimens.
2. Show the interrelated nature of organs and organ systems by describing or illustrating the relationship between anatomical structures and physiological processes.
3. Evaluate results of physiological tests including: electromyography, electroencephalography, electrocardiography, spirometry, and urinalysis.

Accommodations:

If you have a documented physical, psychiatric/emotional, medical, or learning disability that may impact your ability to carry out assigned course work, I urge you to contact the staff in the Office of Special Programs & Services at (714) 432-5548. The staff will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation is confidential.

Academic Dishonesty:

Copying another student’s work, copying any other person’s work without citing the source, submitting any work that is not your own, any kind of notes or other outside information visible during an exam, are examples of cheating. If I catch you doing any of those or any other dishonest act, I will assign you zero points on that assignment and enforce the maximum penalty allowed under OCC’s Academic Integrity policy. The use of a cell phone or any other electronic device during an exam is specifically forbidden (calculators are OK for computations only when I give permission). During an exam, any such device exposed in your possession, or the use of any such device will be treated as cheating.

WHAT MATERIALS DO I NEED FOR THIS COURSE?

	Do I NEED this?	What's the cost?	How can I save money?
	YES	\$147.00	<p>BUY THE PACKAGE IN THE BINDER AT YOUR CAMPUS BOOKSTORE FOR ONLY \$97.50</p> <p><i>Includes the book and MasteringA&P</i></p>
	YES	\$97.80	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Lab Manual</p> </div>	YES	\$63.00	\$63.00
TOTAL:		\$307.80	\$160.50
		SAVINGS:	\$147.30!!

What you need to register for Mastering A&P:

- **A valid email address**
- **Student access code:** (comes in the student access kit that is packaged with your new textbook, otherwise, you can purchase access online at www.masteringaandp.com)
- **The ZIP code for your school:** 92626
- **Your student ID number**
- **A course ID:** RUSSELL221SP12

To register:

- Go to <http://www.masteringaandp.com>
- Under “Register,” click **Students**.
- To register using the Student Access Code inside the Student Access Kit, select **Yes, I have an access code**. Click **Continue**.

-OR- **Purchase access online:** Select **No, I need to purchase access online now**. Select your textbook and whether you want to include the e-text, and click Continue. Follow the on-screen instructions to purchase access online using a credit card. The purchase path includes registration but the details may differ slightly from this handout.

YOU ARE USING: Marieb, *Essentials of Human Anatomy and Physiology, 10e*

- **License Agreement and Privacy Policy:** Click **I Accept** to indicate you have read and agree to the license agreement and privacy policy.
- Select the appropriate option under “Do you have a Pearson Education account?” and supply the requested information. Upon completion, the **Confirmation & Summary** page confirms your registration. This information will also be emailed to you.

Log In:

- Go to <http://www.masteringaandp.com>
- Click **Login** to MasteringA&P
- Enter your Login Name and Password and click **Log In**.

Enroll in your Instructor’s Course and/or Access the Self-Study Area:

- Upon first login, you’ll be prompted to do one of more of the following:
- **Join your MasteringA&P** course by entering the **MasteringA&P Course ID** provided by your instructor.
- Enter your student ID.
- Click **Save** and **OK**.