

Lecture: 10:00 -- 10:50 AM, MWF, BSC 1011

Lab:

Section A: 9:30 – 11:20 AM, Thursday, BSC 1203

Section B: 12:00 – 1:50 PM, Thursday, BSC 1203

Instructor: Dr. Colleen McDonough

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Office Hours: 11-12 M; 2-3 R, or by appointment

TEXT: *Principles of Anatomy and Physiology*, 13th edition, by G. J. Tortora & B. Derrickson, John Wiley & Sons, 2011.

LAB MANUAL: *Laboratory Manual for Human Anatomy and Physiology*, by M. E. Smith and W. J. Loughry, Pearson Custom Publishing, 3rd edition, 2002. Note that the lab manual is optional, as all information concerning the lab exercises is now available online.

LAB KIT: Available in the bookstore. You will need to bring this to lab each week. You may also wish to purchase rubber or plastic examination gloves for use during the lab dissections. These are available at many local stores.

LAB SPECIMENS: Sheep heart and fetal pig. As a result of the institution of lab fees for this course, these specimens will be provided to you. Buckets containing the specimens will be allocated at 1 bucket per 2 students, so you will need to identify a lab partner prior to the beginning of the dissections. As the number of buckets available is limited, it will be difficult to allow anyone to work on their own. However, if you really would prefer this option, see me and we will discuss it.

COURSE GOALS: This course builds on the anatomical information discussed in BIOL 2651 by examining all the major human physiological systems.

GRADING POLICY: Lecture is worth 400 points and lab is worth a total of 200 points. For lecture, there will be 4 exams and an optional final (See back page for test dates). Each exam will be worth 100 points. Any issues, problems or complaints about grading must be made within one week of receiving an exam back. No grade changes will be made after that time. For laboratory, 3 lab practicals (identifying structures from lab specimens) will be given. Each test is worth 50 points. Another 50 points will come from lab assignments.

Final grades will be based on cumulative points and will be distributed according to the following percentages (the total number of points represented by these percentages is shown in parentheses):

90-100 (540-600) A
80-89 (480-539) B
70-79 (420-479) C
60-69 (360-419) D

EXAMS: The 4 exams in this course will each cover 1/4 of the lecture and reading material. Questions will be based on both the lecture and reading material assigned in class. Exams will be made up of mostly multiple choice questions. The optional final will be worth 100 points. If you take the final, I will drop the lowest of the five exam scores in calculating your final grade. (The final cannot hurt you. If the lowest score is the final, it will be dropped). So, if you have a bad day and bomb an exam, remember it's not the end of the world and that score can be dropped.

MAKE-UPS: Because the final is optional and can make up for a previous exam, there will be **NO** make-ups for any of the first four exams. If you miss one, for whatever reason, that will represent your dropped exam and you will have to take the final. This policy has a couple of important implications: (1) you better not miss more than one exam, and (2) there is some incentive in taking the first four exams and thus possibly avoiding the final.

LABS: The 200 points of your grade will be based on your performance in the laboratory portion of this course. The 3 laboratory exams involving identification of specimens, etc **cannot** be made up!! Unlike the lecture exams, a missed lab exam cannot be covered by taking the final. If you miss a lab exam, you forfeit those points. Similarly, since lab exercises change from week to week, labs cannot be made up either. Thus, it is imperative you attend lab each week and crucial that you not miss a lab exam. **IMPORTANT NOTE:** Lab exams will involve some use of your specimens. This means you need to do a good and careful job on your dissections.

In addition to the three lab exams, there will be several lab exercises in which you will collect physiological data. You will analyze these data and turn in short (very short) lab reports. These reports are worth a total of 50 points.

ATTENDANCE: I do not take roll daily and it is your responsibility to decide whether or not to come to class and lab. This should not be taken to mean you do not need to attend lectures and labs. The exams come primarily from the material covered in class and thus it is important to be there so you understand what's going on. Historically (and not surprisingly), I've found that people who come to class everyday and don't miss lab generally do better than those who don't show up.

Important Note: When attending class, you **must** turn off all electronic devices (cell phones) prior to entering the classroom. Failure to do so can interfere with the wiring of the instructor and may lead to dismissal. Failure to do so during an exam will result in a 0 for that exam.

BEHAVIOR POLICY: Any student disrupting the classroom and affecting the learning experience of others will be asked to leave.

PRIVACY ACT: Because of the Buckley Amendment or Privacy Act, grades will not be discussed over the phone or through email. I will not give grades out to friends or relatives without specific written permission from the student.

Students with Disabilities: If you are registered with the Access Office, let me know so that we can make any necessary arrangements regarding exams etc.

TENTATIVE COURSE OUTLINE

<u>TOPIC</u>	<u>READING IN TEXT</u>
I. Endocrine & Cardiovascular Systems	Chaps. 18-20
EXAM 1 ---January 30- Wednesday.	
II. Cardiovascular, Immune, & Respiratory Systems	Chaps. 21-23
EXAM 2 ---February 22 - Friday	
III. Digestive System, Metabolism & Urinary System	Chaps. 24-26
EXAM 3 ---March-29-Friday	
IV. Body Fluids, Reproduction & Development	Chaps. 27-29
EXAM 4 ---April 29-Monday	
FINAL EXAM --- Thursday, May 3, 8:00 AM – 10:00 PM (Optional)	

LAB SCHEDULE:

<u>Week:</u>		<u>Topic:</u>
January	10	NO LAB
	17	Blood physiology
	24	Heart physiology
	31	Heart anatomy
February	7	Fetal pig blood vessels
	14	Fetal pig blood vessels (cont.)
	21	Fetal pig blood vessels (cont.); Review
	28	Lab Exam I
March	7	Fetal pig digestive system
	14	Respiratory physiology
	21	SPRING BREAK: NO LAB
	28	Fetal pig respiratory system
April	4	Lab Exam II
	11	Fetal pig urinary & reproductive systems
	18	Review for cumulative lab exam
	25	Lab Exam III