

**Lecture:** 3:30 – 4:45 PM, MW, BC 1023

**Lab:**

**Section F:** 10:30 – 12:20 PM, Tuesday, BSC 1203

**Section G:** 2:00 – 3:50 PM, Tuesday, BSC 1203

**Section H:** 4:00 – 5:50 AM, Tuesday, BSC 1203

*Instructor:* Dr. Colleen McDonough

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*Office Hours:* Monday 2-3; Wednesday 11-12, or other times by appointment

**TEXT:** *Principles of Anatomy and Physiology*, 13<sup>th</sup> edition (2011) or 14<sup>th</sup> edition (2014), by G. J. Tortora & B. Derrickson, John Wiley & Sons (page numbers may differ depending on your edition).

**LAB MANUAL:** All lab information is given on-line. Some of you may have purchased *Laboratory Manual for Human Anatomy and Physiology*, by M. E. Smith and W. J. Loughry, Pearson Custom Publishing, 3rd edition, 2002 which can be used. Purchasing the lab book is optional.

**LAB KIT:** Available in the bookstore. After the first couple of weeks in laboratory, 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, fetal pig and sheep kidney. 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.

**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 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 with possibly a few essay questions. After you have finished the lecture tests, you will be handing in both the test form and the scantron. I will be checking to see if your scantron matches your test form. Final answers should be given on the scantron.

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. (This means 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, (2) there is some incentive in taking and doing well on the first four exams and possibly avoiding the final, and (3) make sure you do not wait and see what the first test is like before studying your hardest because you may need the drop grade for a subsequent test.

**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. If you are not in class, you haven't done the lab and so you may not hand in the lab assignment for that lab. Make sure you come to lab each week.

**ATTENDANCE:** You must attend all lecture tests and laboratory days (see schedule). I do not take roll daily and it is your responsibility to decide whether or not to come to class. This should not be taken to mean you do not need to attend lectures. The exams come primarily from the material covered in class and it is important to be there so you understand what's going on. I do not dock you points for missing lecture class. If you miss a lecture, you are responsible for getting the material missed from a classmate. I do not provide students with a copy of my lecture notes or powerpoints. **Important Note:** For those of you who do attend class, you **must** turn off all electronic devices (cell phones, etc) prior to entering the classroom. Failure to do so during lecture may lead to immediate dismissal from the classroom. You must let me know if you are recording the lectures. No electric devices can be used during exams. Smart phones, watches, and glasses cannot be used. Failure to follow this policy will result in a zero for the test.

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

**Dates to Remember:**

Martin Luther King Day – Monday, January 19 – No Classes

Mid-Term: Thursday, March 5<sup>st</sup> –Last day to withdraw.

Spring Break: Monday through Friday, March 23-27<sup>th</sup> – No Classes

Last day of class: May 4<sup>th</sup> Monday

Final exam: May 8<sup>th</sup> (Friday) 5:00-7:00 p.m. Same room as lecture

**TENTATIVE COURSE OUTLINE**

<u>TOPIC</u>	<u>READING IN TEXT</u>
I. Endocrine & Cardiovascular Systems  <b>EXAM 1</b> ---Wednesday, February 4	Chaps. 18-20
II. Cardiovascular, Immune, & Respiratory Systems  <b>EXAM 2</b> ---Wednesday, March 2	Chaps. 21-23
III. Digestive System, Metabolism & Urinary System  <b>EXAM 3</b> ---Wednesday, April 1	Chaps. 24-26
IV. Body Fluids, Reproduction & Development  <b>EXAM 4</b> ---Monday, May 4	Chaps. 27-29

**LAB SCHEDULE:****Bring to class:****Week of:****Topic:****Materials \*\***

January	13	No Laboratory scheduled	
	20	MLK Holiday: No Labs:	
	27	Blood	<u>Worksheet 1 Blood</u>
February	3	Heart Physiology	<u>Worksheet 2 Heart Function</u>
	10	Sheep Heart Anatomy	Review List - Heart
	17	Fetal Pig Blood Vessels	Review List, Dissection protocol Anterior Vessels
	24	Fetal Pig Blood Vessels	Review List, Dissection protocol Posterior Vessels
March	3	Fetal Pig Blood Vessels	
	<b>10</b>	<b>Lab Practical I</b>	
	17	Fetal Pig Digestive System	Review List, Dissection protocol Digestive System
	24	Spring Break - NO LAB	
	31	Respiratory physiology Fetal pig respiratory system	Worksheet 3 Respiration Review List, Dissection protocol Respiratory System
<b>April</b>	<b>7</b>	<b>Lab Practical II</b>	
	14	Fetal Pig Urinary Reproductive Systems	Review List, Dissection protocol Urinary System Review List, Dissection protocol Reproductive System
	21	Review for comprehensive Laboratory Exam III	
	<b>28</b>	<b>Lab Exam III (comprehensive)</b>	

\*\* Worksheets, review lists, dissection protocols can be found on BIOL 262 website : Dr. Loughry –

<http://ww2.valdosta.edu/~jloughry/BIOL2652/BIOL2652.html>