

Lecture: 3:30 – 4:45 PM, TR, BSC 1023

Lab: BSC Rm 1203 Mondays

Section F: 11:00 a.m. – 12:50 p.m.

Section G: 2:00 – 3:50 p.m.

Section H: 4:00 – 5:50 p.m.

Instructor: Dr. Colleen McDonough

Office: 2086 Bailey Science Center

Phone: 333-5764 my office, 333-5759 Main Biology office

Email: cmcdonou@valdosta.edu

Office Hours: Monday 10-11 a.m., T 2:00 – 3:00 p.m., at other times - just stop by except within 30 minutes of lecture time.

TEXT: *Principles of Anatomy and Physiology*, 13th edition (2011) or 14th 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 for BIOL 2561. That certainly can be used but is not required. Thus, purchasing the lab book is optional. Those of you not getting the lab book have to be very PROACTIVE in downloading protocols and images PRIOR to the labs to get the most out of them.

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 can purchase the kit with another person. While we provide gloves in class, you may also wish to purchase examination gloves if you have a preference for a particular size or type.

LAB SPECIMENS: Sheep heart, fetal pig and sheep kidney will be provided. Buckets containing the specimens will be allocated at 1 bucket per 2 students. 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 information discussed in BIOL 2651 by examining all the major human physiological systems.

GRADING POLICY: Lecture is worth 400 points and laboratory 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. You must review your tests within two weeks of receiving grade. Tests will not be available for review finals week. 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 are those given on the scantron.

You will have two weeks from the time you receive your scantrons back to look over the test questions to take notes on material you may have got wrong. You will not be able to see tests 1-3 during finals week, only test 4. I am instituting this

because it has been problematic in the past that students don't study the course material only old tests and think the questions on the final are the same as previous tests. They are not.

OPTIONAL FINAL: The final can only help you. If you are satisfied with your grade after the 4 lecture tests, you do not have to take the final. If you take the final, I will use the 4 highest scores out of the 5 exams (4 lecture tests and 1 final) in calculating your final grade. (This means that if the final is your worst score, 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 except in very extenuating circumstances. 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 use of student 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 the material. 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.). Failure to do so during lecture may lead to dismissal from the classroom. You must let me know if you are recording the lectures. No electric devices can be used during exams. Ear buds, 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:

MLK Day:-- January 18 : No Labs this week

Mid-Term: March 3

Withdrawal deadline : March 10

Spring Break: March 14-18: -- No Classes

Last day of class: May 2

Final exam: FRIDAY May 6th 2:45-4:45 p.m. Same room as lecture

TENTATIVE COURSE OUTLINE

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

LAB SCHEDULE:

Bring to class:

<u>Week of:</u>	<u>Topic:</u>	<u>Materials *</u>
Jan	11 No Laboratory scheduled	
	18 No Laboratory scheduled	
	25 Blood**	<u>Worksheet 1 Blood, Pulse Rate Section</u>
Febr	1 Heart Physiology**	<u>Worksheet 2 Heart Function, Pulse Rate, Blood Pressure</u>
	8 Sheep Heart Anatomy	Review List - Heart
	15 Fetal Pig Blood Vessels	Review List, Dissection protocol Anterior Vessels
	22 Fetal Pig Blood Vessels	Review List, Dissection protocol Posterior Vessels
	29 Fetal Pig Blood Vessels	Finish up and Review
Mar	7 Lab Practical I	
	14 Spring Break	
	21 Fetal Pig Digestive System	Review List, Dissection protocol Digestive System
	28 Respiratory physiology**	<u>Worksheet 3 Respiration</u>
	Fetal pig respiratory system	Review List, Dissection protocol Respiratory System
April	4 Lab Practical II	
	11 Fetal Pig Urinary	Review List, Dissection protocol Urinary System
	Reproductive Systems	Review List, Dissection protocol Reproductive System
	18 Review for comprehensive Laboratory Exam III	
	25 Lab Exam III (comprehensive)	

* Worksheets, review lists, dissection protocols can be found on BIOL 2652 website:

blog.valdosta.edu/ap2/

** Must attend lab to be able to hand in assignment and earn the points.