

SYLLABUS FOR BIOL 2651 – FALL SEMESTER 2012

BIOLOGY 2651 HUMAN ANATOMY AND PHYSIOLOGY I
SECTIONS E,F,G : Lecture: TR 3:30 - 4:45 p.m.; BC 1023
Lab: E: W 12:00 - 1:50 p.m. BC 1203
F: W 2:30 - 4:20 p.m. BC 1203
G: R 10:00 - 11:50 a.m. BC 1203

INSTRUCTOR: Dr. Colleen M. McDonough
EMAIL ADDRESS: cmcdonou@valdosta.edu
OFFICE HOURS: 9:30-10:30 T and 11-12 W
OFFICE
: 2086 Bailey Science Center
PHONE: 333-5759 (main biology office to leave a message), 333-5764 (my office)

Lecture Text: Principles of anatomy and physiology; G.J. Tortora and B. Derrickson, 13th ed. (an earlier edition is OK, the page numbers mentioned in class will be different)

Laboratory: You can access what you will be responsible for at
<http://www.valdosta.edu/~dodrobin/2651/2651Lab.htm>

If you prefer to have a book so that you don't have to copy off pages then use:

Laboratory Manual for Human Anatomy and Physiology; 3rd ed., Michael E. Smith and William J. Loughry, Pearson Custom Publishing.

Laboratory Kit: Needed toward end of course.

Laboratory Gloves: You will need to purchase gloves for use during the dissection labs at the end of the course. In past students have purchased disposable gloves in pharmacies and home improvement stores or the rubber gloves for household cleaning.

COURSE OBJECTIVES: This course is the first in a two-part series. It addresses the following sections: the structures and functions of cells and the four basic tissue types, integumentary system, muscular system, skeletal system, and nervous system. In each system we will be looking in detail at structures and their functions. For example, in the muscular system we will cover the structure of the muscle from its gross anatomy to the proteins that make up the cells and how these structures actually convert chemical energy into the energy of motion or moving the skeleton.

Because some of the students in this class are incoming freshmen I feel the need to tell you that this course is required for a number of majors because it contains information that you will need to master for your future career. Because you need to know this material, I grade on a straight percentage (if you master 90% of the material you earn an A, if you master 80% of the material you earn a B, if you master only half of the material you earn a F, etc; see below for more information about grading). There is a set amount of information that needs to be covered and instructors of upper division courses in nursing, sports medicine, exercise physiology, health and fitness, etc, tend to build on this material.

At the outset I want you to know this is not an easy course. There is a lot of material presented at a fast pace. To do well you need to continually review the material starting with the first lecture. You will not do as well as you want if you do not attend lectures. Getting notes from someone else is not the same as hearing the material in class. You need to review and rewrite your notes multiple times. A language instructor once told me that to learn vocabulary people have to hear the word in context at least 7 times for it to begin to stick. Imagine the amount of review necessary then if you are not familiar with the terminology and information presented in this course. Therefore, hearing it once in class and reviewing it once before a test may not be enough. You need to start studying early.

ATTENDANCE POLICY: You must attend all lecture tests and laboratory tests (see schedule). Although, I expect you to attend all lectures, sometimes people have conflicts or personal emergencies. 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. **Attendance in laboratory is expected.** You must be there AT THE START OF

CLASS. You must be present for the laboratory practical tests.

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

STUDENTS WITH DOCUMENTED DISABILITIES: Students requiring classroom accommodations or modifications because of documented disabilities should discuss this need with me at the beginning of the semester. Students not registered with Special Student Services must contact the Access Office. Their phone number is 245-2498.

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

GRADING POLICY: For lecture, there will be 4 exams and an optional final (See schedule for test dates). Each exam will be worth **100 points**. Questions will be based on both the lecture and specific textbook pages assigned during lecture. Exams will be made up mostly of multiple choice with a few essay questions. Any questions, 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, 4 lab practicals will be given. The 4 tests will be averaged. **Lab practicals cannot be made up after the test is taken down. If you miss a lab test or know you will miss a lab test, let me know and you might be able to take it in another lab section. If not made up within that week, you will receive a zero for that lab grade.** The final course grade will be based on the 4 lecture exams (400 points) and the lab score (100 points), totaling a maximum of 500 points. All 5 scores will be added together and grades will be distributed according to the following percentages. (Numbers in the parentheses represent total points).

90-100 (450-500) A

80-89 (400-449) B

70-79 (350-399) C

60-69 (300-349) D

FINAL: There will be an optional 100 point comprehensive final for students who wish to better their grade. If a student chooses to take the final, the lowest grade of all the tests (including the final) will be dropped (IMPORTANT: THE LAB SCORE CANNOT BE DROPPED). If you bomb the final you will not be penalized. **Because of this option, there will be no make-up lecture exams.** Students who miss an exam, for any reason, will have to take the final.

CHEATING: A student caught cheating will reach a zero for that test and reported to the vice president for academic affairs. If caught a second time they will fail the class.

DATES TO REMEMBER

September 3, - Labor Day; NO CLASS

October 4 (Thursday)- Mid-Term, last day to drop with a Withdraw Pass (WP)

Oct 15-16 - Fall Break - no classes

November 21-23- Thanksgiving Break- no classes

December 3 (Monday)- Last day of class

December 6 (Thursday)- Optional Final -5:00-7:00 p.m. Room 1023 BC Building

Lab - No Final

TENTATIVE LECTURE SCHEDULE

<u>WEEK OF</u>	<u>TOPIC</u>	<u>TEXT CHAPTERS</u>
Aug 13	Introduction, Chemical level of organization	1, 2
Aug 20	Chemical and Cellular level of organization	2, 3
Aug 27	Cellular and Tissue level of organization	3, 4
Sep 3	Tissue level of organization, Integumentary System	4, 5
Sep 10	Integumentary System	5
Sep 17	Skeletal System - bone tissue	6
Sep 24	Skeletal System - axial and appendicular divisions	7,8
Oct 1	axial and appendicular divisions, start - Articulations	8, 9
Oct 8	Articulations	9
Oct 17	start Muscle tissue	10
Oct 22	Muscle tissue, Muscles	10, 11
Oct 29	Nervous System - nervous tissue	12
Nov 5	Nervous System - nervous tissue	12
Nov 12	Spinal cord, spinal nerves, Brain and cranial nerves	13,14
Nov 19	Sensory, motor and integrative systems	16
Nov 26	Special senses, Autonomic nervous system	17, 15

FIRST EXAM: September 4TH

SECOND EXAM: September 27TH

THIRD EXAM: October 25TH

FOURTH EXAM: November 29TH

OPTIONAL FINAL: December 6TH, Thursday 5:00-7:00p.m.

LABORATORY SCHEDULE

Week of	TOPIC	Website	Units(if get box)
August 13	No lab this week		
August 20	Microscope and Tissues	histology	1, 2
August 27	Tissues and Skin	histology	4
September 3	Review: for lab practical		4
September 10	LAB PRACTICAL I		
September 17	Skeletal System	skeleton	5
September 24	Skeletal System	skeleton	5
October 1	LAB PRACTICAL II		
October 8	Muscular System	muscles	6
October 15	Muscular System	muscles	6
October 22	Review; muscular system		
October 29	LAB PRACTICAL III		
November 5	Sheep Brain Dissection	Brain	7
November 12	Cow Eye Dissection	Eye	8
November 19	Thanksgiving (no class)		
November 26	LAB PRACTICAL IV		