

SYLLABUS FOR BIOL 2651 – FALL SEMESTER 2016

BIOLOGY 2651 HUMAN ANATOMY AND PHYSIOLOGY I
SECTIONS A and B: Lecture: MW 2:00 - 3:15 p.m.; BS Center 1011
 Lab: A: T 9:30 - 11:20 a.m. BS Center 1203
 B: T 2:00 - 3:50 p.m. BS Center 1203

INSTRUCTOR: Dr. Colleen M. McDonough
EMAIL ADDRESS: cmcdonou@valdosta.edu
OFFICE HOURS: M 10:30-11:30 a.m., T 4 – 5 p.m., W 3:15 – 4:15 p.m.
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, 14th 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:

blog.valdosta.edu/ap1/

You need to copy off the protocols and the lists of structures you are responsible for prior to the laboratories or have access to them during lab.

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.

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 (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 that you need to attend lectures and study to do well in this 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 laboratories (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 mandatory.** You must be there AT THE START, MIDDLE AND END OF CLASS. The Teaching

Assistants will be taking attendance at these times and you must to be there to receive credit. You also must be present for all laboratory practical tests.

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

TITLE IX STATEMENT: Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Maggie Viverette, Director of the Office of Social Equity, titleix@valdosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

ACCESS STATEMENT: Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farbar Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email:access@valdosta.edu.

PRIVACY ACT: Because of the Buckley Amendment or Privacy Act, grades will not be discussed over the phone or over email. I cannot give grades out to friends or relatives.

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 questions 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.** Laboratory is worth 135 points. The majority of the points (125 pts) is determined from your lab practicals. You will take 4 lab practicals. **Lab practicals are difficult to make up once the test is taken down. (The test must be taken down after the last section of the week because geology courses are taught the next day and that department has to set up their laboratories).** **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.** At the end of the course the 4 tests will be averaged and the percentage will be multiplied by 125. For example, if you average 80% on the tests, your test score will be 100 points (125 x 0.80). The rest of the points (10) will come from attendance. See the lab schedule. As mentioned above, attendance credit will be given if you are present for the entire laboratory.

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 (481-535) A
80-89 (428-480) B
70-79 (374-427) C
60-69 (321-373) 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 lecture 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 a lecture exam, for any reason, will have to take the final.

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

DATES TO REMEMBER

September 5, – Labor Day; NO CLASS
 Oct 10-11 – Fall Break – no classes
 October 13 - last day to withdraw
 November 23-25- Thanksgiving Break- no classes
 December 5 (Monday)- Last day of class
 December 6 (Tuesday)- 2:45-4:45 p.m., Room 1011 BS Center
 Lab – No Final

TENTATIVE LECTURE SCHEDULE

<u>WEEK OF</u>	<u>TOPIC</u>	<u>TEXT CHAPTERS</u>
Aug 15	Introduction, Chemical level of organization	1, 2
Aug 22	Chemical and Cellular level of organization	2, 3
Aug 29	Cellular and Tissue level of organization	3, 4
Sep 5	Tissue level of organization, Integumentary System	4, 5
Sep 12	Integumentary System	5
Sep 19	Skeletal System - bone tissue	6
Sep 26	Skeletal System - axial and appendicular divisions	7,8
Oct 3	axial and appendicular divisions, start - Articulations	8, 9
Oct 12	Articulations	9
Oct 17	start Muscle tissue	10
Oct 24	Muscle tissue, Muscles	10, 11
Oct 31	Nervous System - nervous tissue	12
Nov 7	Nervous System - nervous tissue	12
Nov 14	Spinal cord, spinal nerves, Brain and cranial nerves	13,14
Nov 21	Sensory, motor and integrative systems	16
Nov 28	Special senses, Autonomic nervous system	17, 15

FIRST EXAM: September 12th

SECOND EXAM: October 5th

THIRD EXAM: November 2nd

FOURTH EXAM: November 30th

OPTIONAL FINAL: December 6th, Thursday 2:45-4:45p.m.

LABORATORY SCHEDULE

Date	TOPIC	Website	Need	Units (book)
August 16	No lab this week			
August 23	Microscope and Tissues	tissues	Intro to MicroCell, MicroCell	1, 2
August 30	Tissues	tissues	Intro to Tissues, Tissues	4
September 6	No lab or review			
September 13	Skin and Review: for lab practical	tissues	Intro to Tissues, Tissues	4
September 20	LAB PRACTICAL I			
September 27	Skeletal System	skeleton	Intro to Bones, Bones	5
October 4	Skeletal System	skeleton	Intro to Bones, Bones	5
October 11	Fall Break			
October 18	LAB PRACTICAL II			
October 25	Muscular System	muscles	Intro to Muscles, Muscles	6
November 1	Muscular System	muscles	Intro to Muscles, Muscles	6
November 8	LAB PRACTICAL III			
November 15	Sheep Brain Dissection	Brain	Intro to the Brain, The Brain	7
November 22	Cow Eye Dissection	Eye	Intro to the Eye, The Eye	8
November 29	LAB PRACTICAL IV			

