ANATOMY AND PHYSIOLOGY, BIOL 2651, Sections A & B, Spring 2015
Lecture: sections A & B, MWF, 9:00 - 9:50 am, Room 1011
Laboratories: Section A → 11 am - 12:50 pm, Room 1203
Section B → 1:30 – 3:20 pm, Room 1203

Instructor: Dr. David Bechler

Course Objectives: To provide students with—
1. Basic knowledge of anatomy and physiology involving the human body.
2. The fundamentals needed for entry into careers that use human anatomy and physiology as a foundation.
3. A basic knowledge of the human body that will allow them to make wise and educated decisions on their health and the health of others.

Textbook: Principles of Anatomy and Phsyiology, 2014. 14th Edition, by G.J. Tortora and B. Derrickson, John Wiley & Sons, Inc.

Lecture Schedule

Chapter	Topic	Pages and Notes
1	Introduction	2-26 →Reading assignment, material not lectured on in class. Pay particular attention to definitions of words in **bold type**.
2	Chemistry	27-58 →This chapter will be lectured on only minimally. Students entering college in Georgia are required to have had a physical science or earth science and two laboratory courses in high school science. As such you should have had enough chemistry to understand the chemistry need for this course
3	Cellular Biology	59-105
4	Tissues	106-141
5	Integumentary Systems	142-168
6	Bone Tissue	170-191
7 & 8	Skeletal System	193-195→For the most part, specific bones (names & parts) of the skeletal system will be studied in the laboratory, and you will be tested on them in the laboratory. Specific bones will be discussed in lecture at times and lecture questions may be asked on these specific bones.
9	Joints	258-271→As with chapters 7 & 8, the biomechanics of joints will be discussed in class and a few used as examples, but otherwise, the various joints will be studied in the laboratory.
10	Muscle Tissue	291-322
11	Muscle Sys	328-332→For the most part, the individual muscles will be studied in the laboratory, and you will be tested on them in the laboratory. Specific muscles will be discussed in lecture at times and lecture questions may be asked on these specific muscles. How Skeletal Muscles are Named (Pg 333) will not be lectured on, but reading this section may help you learn and recall names.
12	Nervous Tissue	400-435
13 –15	Nervous Sys	442-469, 473-481, 523-536
16, 17	Sensory Systems Special Senses	572-610 → Time permitting, the special senses will be lectured on. Some of the anatomy of the special senses will be covered in the laboratory.

Notes on Syllabus, Textbook and Lectures:
1. Only lecture notes and textbook readings will be required for lecture tests

2. You may use the hardback version or the soft bound version of the textbook.
3. All references listed below are for the 14th edition, hardback version. Therefore, if you use a different version or edition, you must determine whether or not you are reading the correct pages and studying the figures as presented in the textbook and in PowerPoint lectures presented in class.
4. Modified PowerPoints will be posted in BlazeView or possibly send by VSU e-mail for your review and study. All copyrighted materials (Figures, Tables, etc, from the textbook will be removed from the PowerPoints so as to not infringe on copyright laws. Therefore, you will need the textbook in order to study these items.
5. Many of the last pages of each chapter are listed above and these pages include terminology, disorders and answers to questions posed in the chapters. While I will not test directly from these pages, as individuals going into careers in sports medicine, athletics and health care, it would behoove you to read these sections to develop a better understanding of the full extent of human anatomy and physiology.
6. The above syllabus is designed to coincide as closely as possible with your lab schedule. Primary emphasis on tests will be placed on the notes given in class. However, some questions on the tests will come directly from the book. Therefore, it is important that you read the material in the text as listed above in association with the class notes. This will enhance your understanding. Note also that class notes will not always follow the same format or sequence as the text.

Tests

Tests	Chapters	Date
1	1-5	To be announced
2	6-9	To be announced
3	10-12	To be announced
Final	Comprehensive	7 May, 5:00-7:00 pm

Testing: At least one week prior to tests 1, 2, and 3, the date of the test will be announced. To determine your grade for more than one test simply average your grades for the tests. The lecture will be equal to 75% of the course grade and the laboratory to 25%. To determine your grade for the course, calculate your average for the lecture portion and for the laboratory portion of the course. Then, multiply the lecture average by 0.75 (equals 75%) and the laboratory average by 0.25 (equals 25%). Finally, add the two resulting values together.

Example: (lecture average X 0.75) + (lab average X 0.25) = course grade
Lecture test average: (Test 1 + Test 2+ Test 3 + Final 4)/5

If you miss a lecture test you must come and see me at your first opportunity to set up a time to make up the test. Make-up tests will be essay and will consist of a minimum of four questions. Each of the first three regular tests will consist of 50+ questions. The final will be comprehensive and will consist of 100 questions, 50 over old material and 50 over untested material. All regularly scheduled tests will contain multiple choice questions. Each of the first three tests will be worth 100 points and the final worth 200 points.

The day the test is returned, an answer key will be made available for your perusal. If you find any errors, circle only the number of the question and return the test to me at the end of the next lecture or place it in under my door to my office. You will need to bring a number two pencil to the test as you will use a computer-graded form.

Laboratories

Supplemental information for the laboratory rules, activates and exercises can be found at:
http://www.valdosta.edu/~dodrobin/2651/2651Lab.htm

The lab tests will be given as PowerPoints presentations. All questions will come from material covered in lab or from the lab book. Tests will be worth 100 points. Your lab scores will be worth 25% of your final course grade.

LAB SCHEDULE: Spring 2010

Week of:	**Unit/Chap**	Topic
12 Jan.	2, 4	Rules, Safety, Microscope and Cells
19, 26 Jan.	4	Tissues and Skin
2 Feb.	--	Test 1
9 & 16 Feb.	5	Skeletal System
23 Feb	--	Test 2
2, & 9 Mar.	6	Muscular System
16 March	--	Test 3
23 Mar.	--	No labs, Spring Break
30 Mar.	7	Brain Dissection (Sheep brains)
6 Apr.	**8**	Eye Dissection (Cow eyes)
13 Apr.	--	Test 4

General Information

Academic Dishonesty: Anyone caught cheating on a test will receive an automatic "F" for the course. Please refer to the Student Handbook for a detailed explanation on academic honesty.

Class Attendance and Behavior: When I am lecturing, I expect students to behave themselves and maintain silence; however, your questions are encouraged. Students who repeatedly make noise and disrupt the class will be removed from the class and if necessary dropped form the course. You are now preparing for your future, and successful completion of this course may determine your future job prospects and the programs that you are admitted to. Class disruption is rude and inconsiderate of others who are trying to learn. Therefore, good behavior in class is expected, for you are now an adult and you should behave as such.

While class attendance is not formally taken each period, I will take attendance on some class days and note when individuals are absent, **Students missing five lectures or two labs will receive an F for the course.** If you are ill or a bonifide emergency occurs, exceptions will be made after proof of the illness or emergency is provided. It is your responsibility to attend class regularly and get the notes and assignments.

Important Dates.
4 March—Midterm. Last day to drop courses'
Holidays: 18 January & 15-19 March

No one will be dropped after the last drop date unless there are extenuating circumstances beyond your control and the dean of students agrees to your being dropped.

Disabled Students: Students requiring classroom accommodations or modifications because of documented disabilities should discuss their needs with me at the beginning of the quarter. Disabled

students not registered with the Special Services Program should contact the program officer in Nevins Hall (phone: 245-2498).

Buckly Amendment or Privacy Act: It is illegal to release to others personal information about an individual. Therefore, grades, averages, and other personal information about an individual will not be released to anyone but that individual, posted, sent by e-mail (not a secure system) or given over the phone.

Contact Information: Office: Room BC 2030 Office Phone: 333-5759

Generally, I will be available 15 minutes after class or during lab for consultation. Other times can be arranged by appointment. Please do not call me at home. Once I leave the office and go home, my life belongs to my family and me.