

BIOL 2651
Credit Hours 3-2-4

ANATOMY AND PHYSIOLOGY I
Department of Biology

Instructor: Dr. Timothy J. Fort
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Office Hours: By appointment
Lecture: Mon/Tues/Wed/Thurs 2.20 pm – 3.45 pm BC 1024
Laboratory: Monday/Wednesday 4.00 pm – 5.50 pm BC 1203

Textbook: Principles of Anatomy and Physiology, 12th or 13th Edition
Tortora, G.J. and Derrickson, B.

Lab Manual: Laboratory Manual for Anatomy and Physiology, 3rd Edition
Loughry, M.J. and Smith, M.E.

Course Description: Introduction to human anatomy and general physiological principles with emphasis on the following: cell and tissue organization, plus skeletal, muscular, and nervous systems.

Course Objectives: By the end of this course, students will be expected to:

- (1) Demonstrate an understanding of the cellular and tissue levels of organization within the human body physiology.
- (2) Demonstrate an understanding of the anatomy of selected organ systems and relate the functioning of the organ systems to the overall functioning of the human body.
- (3) Demonstrate competency in factual content / interpretation of the major areas of human anatomy and physiology.

These objectives support in part the Department of Biology Educational Outcome #3 and the Valdosta State University General Educational Outcomes #'s 4, 5, 7.

Attendance: Attendance of lectures is expected of all students, but is not required. Attendance of laboratory classes is mandatory. Any student missing 2 scheduled laboratory classes, without an acceptable documented reason (determined by the instructor) will receive a failing grade for the course. Student attendance of classes will be recorded.

Conduct: Students are expected to arrive on time and behave with respect in both lectures and laboratories. Students should not talk during lectures, but if you do not understand or do not hear something please ask for clarification. Use of cell phones during lectures and laboratories is not permitted. Cell phones must be turned off during lectures and laboratories. If your cell phone activates during a lecture you will be asked to leave. If your cell phone activates during an exam you will be asked to leave and receive 0% for that exam.

Cheating / Plagiarism: Please refer to the Student Code of Ethics in the Valdosta State University Student Handbook. Any student caught cheating will be penalized, ranging from receiving a zero for that assignment or test, to failure and expulsion from the course.

Students with Documented Disabilities: Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in the Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY).

Privacy Act: Due to the Buckley Amendment, or Privacy Act, an individual's personal information cannot be released to anyone but that individual. As such, grades will not be discussed over the phone, by email, or released to a friend or relative.

Assessment:

Lecture: Four exams, plus a comprehensive final.
Each exam will be worth 100 points.

Laboratory: Four lab practicals
Each lab practical will be worth 50 points

Final grade: Your final grade will be a combination of your lecture score and your laboratory score
Lecture will comprise 70% and Lab will comprise 30% of your final score.

-Lab Practicals cannot be made up. If you miss a lab practical, you will receive a zero for that lab grade.

-There are NO make-up lecture exams. If you miss an exam, you must take the comprehensive final exam.

-The final lecture exam will be comprehensive and OPTIONAL. If you wish to improve your grade, the final exam score can replace the lowest exam score received during the semester.

-Lecture Exams: Question styles will vary depending on the topics being examined and may include (but are not limited to), multiple choice, true/false, fill in the blank, diagrams and short answers.

Tentative Laboratory Schedule

Date	Topic	Chapter
5/6	Microscope and cells / Tissues & Skin	1, 2
10/6	Tissues and Skin	4
12/6	Tissues and Skin	4
17/6	LAB PRACTICAL #1	5
19/6	Skeletal System	5
24/6	Skeletal System	
26/6	LAB PRACTICAL #2	6
1/7	Muscular System	6
3/7	Muscular System	
8/7	LAB PRACTICAL #3	
10/7	Sheep Brain	7
15/7	Cow Eye	8
17/7	LAB PRACTICAL #4	
22/7	NO LAB	

Tentative Lecture Outline – This is the order in which we will cover topics

Topic	Chapter
Introduction to the Human Body	1
Cellular Level of Organization	3
Tissue Level of Organization	4
Integumentary System	5
Bone Tissue	6
The Axial Skeleton	7
The Appendicular Skeleton	8
Articulations	9
Muscle Tissue	10
Muscular System	11
Nervous System	12
Spinal Cord & Spinal Nerves	13
Brain & Cranial Nerves	14
Autonomic Nervous System	15
Special Senses	17
Sensory, Motor and Integrative Systems	16

Exam Schedule (tentative): #1- June 13
#2- June 26
#3- July 10
#4- July 23

Final Examination: Thursday July 25th, 3.00 – 5.00pm