

Biology 2651 Human Anatomy/Physiology I

**Biology Department, College of Arts and Sciences, Valdosta State University
Section E (CRN 81276) and Section F (CRN 81277) (4 credit hours)**

Fall Semester, 2013

Instructor - Dr. J. Mitchell Lockhart

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Office Hours: As posted or by appointment

Course hours: Lecture Sections E and F: Tuesday and Thursday **11:00-12:15** BCB 2022

Lab Section E: Monday **9:00-10:50**, Section F: Monday **11:00-12:50** BCB 1203

Textbook - G.J. Tortora and B. Derrickson, *Principles of Anatomy and Physiology*, 13th Ed.

(Required)

Laboratory Textbook - M.E. Smith, and W.J. Loughry, *Laboratory Manual for Human Anatomy and Physiology*. **(Required)**

Course Description: This course is the first in a two part series. In BIOL 2651 we will introduce human anatomy and physiological principles with emphasis on the following: cell and tissue organization, plus skeletal, muscular, and nervous systems and special senses. In each system, we will cover the basic structure and function of the components of that system.

Pre-Requisite: None

Attendance: MANDATORY

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course has a considerable amount of new concepts and terminology and it serves your best interest to attend class regularly. Any student disrupting the classroom and affecting the learning experience of others will be asked to leave. Along these lines, **NO** cell-

The final grade will be a combination of your final lecture score and laboratory score. Lecture will comprise 65% and lab will comprise 35% of your final score. The lecture final will be comprehensive and **OPTIONAL**. For those wishing to better their grade, this exam score will replace the lowest written exam score received during the semester.

Grade Scale: **90-100 = A, 80-89 = B, 70-79 = C, 60-69 = D, <60 = F**

Privacy Act: Because of the Buckley Amendment or Privacy Act, grades will not be discussed over the phone, via email, given to friends, or given to relatives. Final grades will be posted, only at your request, under an anonymous 6 digit number which you choose later in the semester.

Cheating: Refer to the Student Code of Ethics in the Valdosta State University Student Handbook. A student caught cheating will be penalized ranging from receiving a zero for that assignment or test to failing the class.

Important Dates: Mid-Term October 4, **Final Exam Friday, December 6 10:15-12:15**

*** The Instructor reserves the right to modify the above contents with proper notification.**

Course Outcomes:

Course:

By the end of BIOL 2651, students who successfully complete the course should have:

1. Gained factual knowledge, to include anatomy and physiological terminology, methods, and principles, about Anatomy and Physiology I. (DO 2,3,5; VSUGEO 5)
2. Learned fundamental principles, generalizations, or theories of Human Anatomy and Physiology I. (DO 2,3,5; VSUGEO 5)
3. Learned to apply course material (to improve thinking, problem-solving, and decisions) in Human Anatomy and Physiology I. (DO 2,3,5; VSUGEO 5)
4. Developed specific skills, competencies and points of view needed by professional in the fields most closely related to Anatomy and Physiology I. (DO 2,3,5; VSUGEO 5)
5. Acquired an interest in learning more by asking questions and seeking answers about Anatomy and Physiology I. (DO 2,3,5; VSUGEO 5)

Department:

1. Develop and test hypotheses, collect and analyze data, and present the results and conclusions in both written and oral formats used in peer-reviewed journals and at scientific meetings.
2. Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic

will understand United States history and both the historical and present role of the United States in the world.

2. Students will demonstrate cross

BIOL 2651 Sections E and F
Human Anatomy and Physiology I
Dr. J. Mitchell Lockhart

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

TOPIC	TEXT CHAPTERS
Introduction to the Human Body	1
Chemical Level of Organization	2
Cellular Level of Organization	3
Tissue Level of Organization	4
Integumentary System	5
Bone Tissue	6
Skeletal System: The Axial Skeleton	7
Skeletal System: The Appendicular Skeleton	8
Articulations	9
Muscle Tissue	10
Muscular System	11
Nervous Tissue	12
Spinal Cord and Spinal Nerves	13
Brain and Cranial Nerves	14
The Special Senses	17
Autonomic Nervous Systems	15
Sensory, Motor, and Integrative Systems	16

Lecture Exams:

- 1 September 3
- 2 September 26
- 3 October 24
- 4 November 21

Final Exam:

Lecture Friday, December 6, 10:15-12:15

Tentative Lab Schedule - This is the order in which we will cover topics.

	Week of	TOPIC	CHAPTERS
1	August 12	Microscope and Cells	1,2
2	August 19	Tissues and Skin	4
3	August 26	Tissues and Skin	4
4	September 2	No lab this week	
5	September 9	LAB PRACTICAL I	
6	September 16	Skeletal System	5
7	September 23	Skeletal System	5
8	September 30	LAB PRACTICAL II	