

Biology 2651 Human Anatomy/Physiology I

Biology Department, College of Arts and Sciences, Valdosta State University
Section A (CRN 81982) Section B (CRN 81983) Section C (CRN 81984) (4 credit hours)

Fall Semester, 2019

Instructor - Dr. J. Mitchell Lockhart

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Office Hours: Tuesday 9-10AM, Thursday 1-2PM, or by appointment

Course hours: Lecture – Section A, B, C: Tuesday and Thursday **2:00-3:15** BCB 1011

Lab – Section A: Monday **9:00 – 10:50AM** BCB 1203

Section B: Monday **11:00 – 12:50AM** BCB 1203

Section A: Tuesday **10:00 – 11:50AM** BCB 1203

Textbook - G.J. Tortora and B. Derrickson, *Principles of Anatomy and Physiology*, 15th Ed.

(Required)

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

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! I do keep track of who is and isn't attending lecture and laboratory. This course has a considerable amount of new concepts and terminology and it is in your 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-phones, beepers, and/or associated earpieces or headphones are allowed either in the **lecture room or laboratory**. Students

are not permitted to leave the lecture or laboratory rooms to receive messages during regular course time. My policy is not to give a warning, rather, if a cell-phone or beeper activates during lecture/laboratory or you attempt to view or send messages, **you will lose one LETTER GRADE from your final grade.** Viewing a cell-phone or pager that activates on "silent" mode during a quiz or exam will be treated as an instance of **CHEATING**

for any reason. Should you miss an exam for ANY reason, you may take the comprehensive final to replace the missed exam grade.

For the laboratory grade, 4 lab practicals will be given. The **Lab practicals cannot be made up. If a lab practical is missed, you will receive a zero for that lab grade.**

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**

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3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity.
5. Interpret ecological data pertaining to the behavior of the individual organism in its natural environment; to the structure and function of populations, communities, and ecosystems; and to human impacts on these systems and the environment.

Valdosta State University General Education Outcomes:

1. Students will demonstrate understanding of the society of the United States and its ideals. They will possess the requisite knowledge of the society of the United States, its ideals, and its functions to enable them to become informed and responsible citizens. They will understand the connections between the individual and society and the roles of social institutions. They will understand the structure and operational principles of the United States government and economic system. They will understand United States history and both the historical and present role of the United States in the world.
2. Students will demonstrate cross-cultural perspectives and knowledge of other societies. They will possess sufficient knowledge of various aspects of another culture, including the language, social and religious customs, aesthetic expression, geography, and intellectual and political history, to enable them to interact with individuals within that society from an informed perspective. They will possess an international viewpoint that will allow them to examine critically the culture of their own nation and to participate in global society.

BIOL 2651
Human Anatomy and Physiology I
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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 12
- 2 – October 15
- 3 – November 7 or 12
- 4 – December 5

Final Exam:

Wednesday December 11, 2:45-4:45PM

Tentative Lab Schedule -