

Biology 2651 Human Anatomy/Physiology I

Biology Department, College of Arts and Sciences, Valdosta State University

Section A (CRN 80148), Section B (CRN 80149) and Section C (CRN 80150) (4 credit hours)

Fall Semester, 2015

Instructor - Dr. J. Mitchell Lockhart

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Office Hours: As posted or by appointment, typically 9-10AM Monday and Wednesday

Course hours: Lecture – Sections A, B and C: Tuesday and Thursday **11:00-12:15** BCB 1023

Lab – Section A: Monday **10:00-11:50**, Section B: Monday **12:00-1:50**; Section C:

Tuesday, **9:00-10:50 AM** - BCB 1203

Textbook - G.J. Tortora and B. Derrickson, Principles of Anatomy and Physiology 4th 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!** 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 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

Viewing any material other than class material will result in the same penalties above. University guidelines dictate that students missing 20% of lecture sessions for this class are subject to receiving a grade of "F" regardless of their standing in the course.

Students With Documented Disabilities: Students requiring accommodations or modifications because of documented disabilities should discuss this need with Dr. Lockhart at the beginning of the quarter. Students not registered with Special Services Program must contact the Access Office for Students with Disabilities in Farber Hall. Their phone number is 245-2498.

Assessment: For the lecture grade, four exams (tentative) plus a comprehensive final will be given. Each exam will be worth 100 points. Questions will be based on material covered in lecture and in my notes. Exam questions will be in a variety of formats including (but not limited to) essay, short answer, multiple choice, fill in the blank, drawings, etc...Any questions concerning grading should be brought to the attention of the professor **NO LATER** than one week following return of the exam. I also will occasionally give unannounced quizzes to ensure that everyone is on time, attending class, and keeping up with lecture material. **NO make-up lecture exams or quizzes will be given 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 (tentative) 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.**

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.
3. Students will use computer and information technology when appropriate. They will demonstrate knowledge of computer concepts and terminology. They will possess basic working knowledge of a computer operating system. They will be able to use at least two software tools, such as word processors, spreadsheets, database management systems, or statistical packages. They will be able to find information using computer searching tools.
4. Students will express themselves clearly, logically, and precisely in writing and in speaking, and they will demonstrate competence in reading and listening. They will display the ability to write coherently in standard English; to speak well; to read, to understand, and to interpret the content of written materials in various disciplines; and to listen effectively and to understand different modes of communication.
5. Students will demonstrate knowledge of scientific and mathematical principles and proficiency in laboratory practices. They will understand the basic concepts and principles underlying scientific methodology and be able to collect, analyze, and interpret data. They will learn a body of scientific knowledge and be able to judge the merits of arguments about scientific issues. They will be able to perform basic algebraic manipulations and to use fundamental algebraic concepts to solve word problems and equations. They will be able to use basic knowledge of statistics to interpret and to analyze data. They will be able to evaluate arguments based on quantitative data.
6. Students will demonstrate knowledge of diverse cultural heritages in the arts, the humanities, and the social sciences. They will develop understanding of the relationships among the visual and performing arts, literature and languages, and history and the social sciences. Students will be versed in approaches appropriate to the study of those disciplines; they will identify and respond to a variety of aesthetic experiences and engage in critical thinking about diverse issues. They will be able to identify the components of and respond to aesthetic experiences in the visual and

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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	

Tentative Lab Schedule -