

Biology 2651 Human Anatomy/Physiology I

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

Section A (CRN 50699) (4 credit hours)

Summer Semester, 2021 – Short Session

Instructor - Dr. J. Mitchell Lockhart

Office – Biology/Chemistry Building, Room 2029

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Office Hours: As posted or by appointment

Course hours: Lecture – Face to face (9:35-11:05AM, MTWRF, BSC 1203), synchronous, asynchronous.

Lectures will be available on Blazevue in Kaltura

Lab – Face to face (11:30AM-1:20PM, MTR, BSC 1023) , synchronous, asynchronous.

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

(Suggested). No course management software for the summer.

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

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**. If you bring them to class, they must be turned **OFF (not on vibrate)** and placed **out of view**. 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** and handled

If students must be absent due to a quarantine or isolation requirement for COVID-19, they must report this situation via the COVID Self Reporting Link in MyVSU and through the [Dean of Students Office](#)

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 semester. Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farber Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email: access@valdosta.edu.

Assessment: For the lecture grade, four exams plus a comprehensive final will be given. 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 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%. The lecture final will be comprehensive and **OPTIONAL**

Virtual Proctored Exams:

BIOL 2651
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 – May 20
- 2 – May 28
- 3 – June 8
- 4 – June 15

Final Exam:

June 16 (?) 9:30AM-11:30AM

Tentative Laboratory Schedule

| Date | Topic | Lab Manual Chapter |
|------------------|----------------------------------|---------------------------|
| May 13-18 | Introduction & Microscope Basics | 1, 2, 4 |
| May 13-18 | Tissues and Skin | 1, 2, 4 |
| May 13-18 | Tissues and Skin | 1, 2, 4 |
| May 20 | LAB PRACTICAL #1 | |
| May 24-25 | Skeletal System | 5 |
| May 24-25 | Skeletal System | 5 |
| May 27 | LAB PRACTICAL #2 | |
| June 1-3 | Muscular System | 6 |
| June 1-3 | Muscular System | 6 |
| June 7 | LAB PRACTICAL #3 | |
| June 8-10 | Sheep Brain | 7, 8 |
| June 8-10 | Cow Eye | 7, 8 |
| June 14 | LAB PRACTICAL #4 | |