VSU Biology 2651 Human Anatomy/Physiology I Spring 2012

Instructor - Dr. Ted Uyeno

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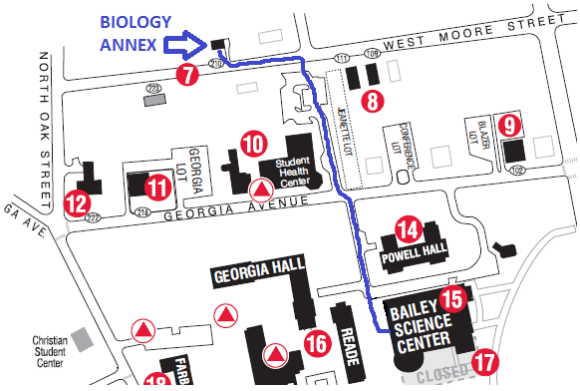
Hours
Office: **T 1330 – 1430, W 830-930**
(or by appointment)

Course: Lecture – **MWF 1200-1250** BC 3009
Lab –Section F - **M 1330,** BC 2047
Section G - **T 930,** BC 2047
Section H - **T 230,** BC 2047
Section I - **W 1330,** BC 2047



Textbook - G.J. Tortora and S.R. Grabowski, *Principles of Anatomy and Physiology*, 13th Ed. **with WileyPlus codes** (**Required**). NOTE: An electronic version is available for a reduced price in the bookstore.

Laboratory Textbook - M.E. Smith, and W.J. Loughry, *Laboratory Manual for Human Anatomy and Physiology*. (**Required**) Dissection tools are handy but optional.

Course Management: WileyPLUS course management access is required for this course!

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 keep track of attendance. This course has a great amount of new concepts and terminology and it is in your best interest to attend class regularly. Any student disrupting the classroom and affecting the learning experience of others will be asked to leave. Thus, **NO** cell-phones or associated earpieces are allowed either in the **lecture room or laboratory**. I will not issue a warning. If a cell-phone or beeper activates, 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 accordingly (in addition to the above penalty). Those wishing to utilize laptop computers as part of the class are required to sit in the first row of the classroom. Viewing anything other than BIOL 2651 coursework on a computer during course time will result in the loss of one **LETTER GRADE** from your final grade. University guidelines dictate that missing 20% of the lectures for this class are subject to receiving a grade of "F" **regardless** of your standing in the course.

Students with Documented Disabilities: Students requiring accommodations because of documented disabilities should discuss this need with Dr. Uyeno at the beginning of the semester. 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: The lecture grade is composed of four exams (tentative) plus a comprehensive final. Each exam will be worth 100 points. Questions will be based on material covered in lecture and in my notes. Any questions concerning grading should be brought to Dr. Uyeno's attention **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, you may take the comprehensive final to replace the missed exam grade. Lecture assignments will also be given via WileyPLUS course management software. Each person is required to have access and will be expected to routinely monitor their course calendar for assignments.

The laboratory grade will be composed of four lab practical exams. 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 exams will comprise 55%, WileyPLUS assignments will comprise 10%, 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: The FERPA Privacy Act does not allow me to discuss grades over the phone, via email, or be given to friends or relatives. Final grades will be posted, only at your request, under an anonymous 6 digit number that 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 – March 1, Final Exam – Thursday, May 3, 12:30 PM
*** The Instructor reserves the right to modify the above contents with proper notification.**

Course Outcomes:

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 of Biology Outcomes:

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 relationships among the major taxa of life, and provide illustrative examples.
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.
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 performing arts. They will develop knowledge of world literature within its historical and cultural frameworks. They will understand modem issues within a historical context and the role of the individual in various forms of societies and governments.
7. Students will demonstrate the ability to analyze, to evaluate, and to make inferences from oral, written. and visual materials. They will be skilled in inquiry, logical reasoning, and critical analysis. They will be able to acquire and evaluate relevant information, analyze arguments, synthesize facts and information, and offer logical arguments leading to creative solutions to problems.
8. Students will demonstrate knowledge of principles of ethics and their employment in the analysis and resolution of moral problems. They will recognize and understand issues in applied ethics. They will understand their own value systems in relation to other value systems. They will judge values and practices in a variety of disciplines.

BIOL 2651 (sections F G H I)
Human Anatomy and Physiology I
Dr. Ted Uyeno

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 – February 3
2 – February 29
3 – April 2
4 – April 27

Final Exam:
Lecture – Thursday, May 3, 12:30 PM

BIOL 2651 (F G H I)
Human A&P I
Dr. Ted Uyeno

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

	WEEK OF	TOPIC	CHAPTERS
1	January 9	Microscope and Cells	1, 2
2	January 16	No lab this week (MLK Jr. Day)	
3	January 23	Tissues and Skin	4
4	January 30	Tissues and Skin	4
5	February 6	**LAB PRACTICAL I**	
6	February 13	Skeletal System	5
7	February 20	Skeletal System	5
8	February 27	**LAB PRACTICAL II**	
9	March 5	Muscular System	6
10	March 12	No lab this week (Spring Break)	
11	March 19	Muscular System	6
12	March 26	**LAB PRACTICAL III**	
13	April 2	Brain	7
14	April 9	Eye	8
15	April 16	**LAB PRACTICAL IV**	
16	April 23	No lab this week	