



**TENTATIVE—SUBJECT TO CHANGE**  
**BIOL 2113: Anatomy and Physiology I**  
**COURSE SYLLABUS**  
**Hybrid**  
**Spring 2020 Mini Mester: Tuesday Lecture**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/2250

Campus/Class Location: Vidalia Campus, Health Science Annex (HSA) Building, Room 903

Class Meets: Tuesday 8:00 AM – 11:45 AM (Lecture **Hybrid format**: 60% face to face in class & 40% online).

Course Reference Number (CRN): 40251

Preferred Method of Contact: email [Sadia Ajohda \(sajohda@southeasterntech.edu\)](mailto:sajohda@southeasterntech.edu)

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Sadia Ajohda

Campus/Office Location: Vidalia Campus, Gillis Building, Office 723

Office Hours: 7am-1pm, 3pm-4pm Mondays and (&) 7am-8am Tuesdays, Wednesdays, & Thursdays

Email Address: [Sadia Ajohda \(sajohda@southeasterntech.edu\)](mailto:sajohda@southeasterntech.edu)

Phone: 912-538-3216

Fax Number: 912-538-3156

Tutoring Hours: By appointment

**This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.**

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED TEXT**

<sup>1</sup>**Principles of Anatomy and Physiology**, Tortora/Grabowski, 15<sup>th</sup> Edition, John Wiley and Sons, Incorporated. (WileyPLUS (WP) Next Gen with eText and loose-leaf bundle available at STC's bookstore).

<sup>2</sup>**Anatomy and Physiology Lab Workbook, BIO 2113** First Edition; Southeastern Technical College (STC), 2017

**REQUIRED SUPPLIES**

Supplies necessary for this course include the following: One clear front report cover with prongs used for lab (make sure it is sturdy and can hold 100 pages or more), colored pencils, ink pens, highlighters, and any other supplies deemed necessary by instructor.

This course uses a third party platform operated and maintained by the Publisher's **WileyPLUS Next Gen** Tortora/Grabowski, 15<sup>th</sup> Edition, John Wiley and Sons, Incorporated. WileyPLUS (WP) Next Gen with eText and loose-leaf bundle with online access code can be purchased at STC's bookstore. **Weekly assignments will be graded online and must be completed by deadline. Weekly WileyPlus assignments account for 10% of final grade. If Assignments are not completed online by deadline, points will be deducted.**

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

**Students should not share login credentials with others and should change passwords periodically to maintain security.**

## **COURSE DESCRIPTION**

Course introduces the anatomy and physiology of the human body. Emphasis is placed on the development of a systemic perspective of anatomical structures and physiological processes. Topics include: body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous and sensory systems.

## **MAJOR COURSE COMPETENCIES**

1. Body Organization and Chemical Basis of Life
2. Cell Structure and Function
3. Tissue Classifications
4. The Integumentary System
5. The Skeletal System
6. The Muscular System
7. The Nervous and Sensory Systems

## **PREREQUISITE(S)**

**Pre-requisite:** Regular admission

**Co-requisites:** BIOL 2113L, ENGL 1101

## **COURSE OUTLINE**

### **Body Organization and Chemical Basis of Life**

1. Define the terms anatomy and physiology
2. Describe the basic biological functions necessary for survival.
3. Define anatomical position.
4. Identify descriptive body terms, planes, abdominopelvic regions and quadrants, directional terms as they relate to anatomical position, body membranes and cavities.
5. Discuss complementarity between structure and function
6. Describe the various organizational levels of the human body.
7. Define homeostasis and metabolism.
8. Define positive and negative feedback cycles and provide examples of each.
9. Describe basic atomic structure. Cognitive Knowledge
10. Define the terms molecule, element, compound, mixture, solution, solvent and solute and give examples of each.

11. Describe and give examples of covalent (non-polar and polar), ionic and hydrogen bonding.
12. Describe water as an inorganic compound and universal solvent.
13. List the major elements present in the body.
14. Discuss and give examples of the most important carbohydrates, proteins, lipids and nucleic acids found in the body and relate these substances to specific body structures or functions.
15. Describe intermediary metabolism and cognitive knowledge.
16. Describe the potential of Hydrogen (pH) scale, acids and bases.

#### **CELL STRUCTURE AND FUNCTIONS:**

1. Describe the structure of a typical cell.
2. List the organelles and discuss the functions of each.
3. Describe types of movement of materials across cell membranes and relate functions of body cells.
4. Discuss the molecular structure of deoxyribonucleic acid (DNA) in relation to hereditary characteristics.
5. Discuss mitosis and meiosis.

#### **TISSUE CLASSIFICATIONS:**

1. Define the term tissue and histology.
2. Identify the four major types of tissue in the body and their basic functions.
3. Describe the structure, function, and location of epithelial tissues in the body.
4. Describe the structure, function, and location of connective tissues in the body and contrast these to epithelial tissues.
6. Compare and Contrast the three forms of muscle tissue: skeletal, smooth and cardiac.
7. Describe the structure, function, and location of nervous tissue in the body.
8. Classify the membranes of the body and provide examples of each.
9. Describe the basic steps in tissue repair.

#### **THE INTEGUMENTARY SYSTEM:**

1. Functions of the skin as an organ system and role in homeostasis of body temperature.
2. Discuss Describe layers, structural components, and functions of epidermis dermis and hypodermis.
3. Describe the basic structure and function of epidermal derivatives such as hair, nails, sweat, sebaceous and ceruminous glands.
4. Discuss the classification of burns by degree and surface areas involved.
5. Discuss the three principal types of skin cancer and differentiate among them.

#### **THE SKELETAL SYSTEM:**

1. Discuss the components and functions of the skeletal system.
2. Discuss the basic anatomy of long and flat bones.
3. Describe the histological features of compact and spongy bone tissue.
4. Compare and Contrast intramembranous ossification and endochondral ossification.
5. Define interstitial and appositional bone growth.
6. Describe the process of bone remodeling and fracture repair.
7. Classify the principal types of bones on the basis of shape and location.
8. Describe the various markings on the surface of bones.
9. Identify the bones and principal markings of the bones of the axial skeleton.
10. Identify the bones and principal markings of the bones of the appendicular skeleton.
11. Define an articulation and identify the factors that determine the types and degree of movement at a joint.
12. Classify joints based on their structure and function using proper terminology.
13. Describe the major movements allowed by synovial joints. Cognitive Knowledge
14. Describe selected articulations of the body with respect to the bones that enter into their formation, structural classification, and anatomical components. Discuss selected bone diseases and common fractures.

## **THE MUSCULAR SYSTEM:**

1. List the characteristics and functions of muscle tissue.
2. Discuss the organization of muscle tissue and its components.
3. Discuss the anatomy of the muscle (cell) fiber and the microscopic anatomy of the muscle cell including the sarcomere as the basic unit of muscle contraction.
4. Discuss the sliding filament theory of muscle contraction.
5. Discuss the structure and function of the neuromuscular junction.
6. Describe the movement of the action potential in skeletal muscle.
7. Describe adenosine triphosphate (ATP) needs and the energy sources used by skeletal muscle.
8. Explain concepts in muscle physiology such as twitch, motor unit, tetanus, as well types of muscle fibers and muscle contractions.
9. Define origin and insertion.
10. Describe the relationship between bones and skeletal muscles in producing body movements.  
Cognitive Knowledge
11. Discuss most body movements as activities of groups of muscles by explaining the roles of the prime movers, synergist, antagonist and fixator.
12. Define the criteria employed in naming skeletal muscles.
13. Identify the principal skeletal muscles in selected regions of the body and their functions.
14. Discuss selected muscle disorders.

## **THE NERVOUS AND SENSORY SYSTEM:**

1. Identify the basic functions of the nervous system in maintaining homeostasis.
2. Describe the components of the central and peripheral divisions.
3. Describe the structure of a neuron.
4. Identify the major supporting cells of neurons in the Central Nervous System (CNS) and Peripheral Nervous System (PNS).
5. Compare and Contrast structural and functional classifications of neurons.
6. Define a synapse and describe all of the events that occur at the synapse.
7. Describe the action potential, its generation, and transmission of action potential in neuron.
8. Discuss concepts in neurophysiology such as excitatory postsynaptic potential (EPSP), Inhibitory Postsynaptic Potential (IPSP), summation, all-or-none law, and neuron regeneration.
9. Discuss common neurotransmitters.
10. Describe the layers of meninges and longitudinal anatomy of the spinal cord.
11. Describe cross sectional anatomy of spinal cord including location of sensory and motor neurons.
12. Identify major sensory and motor tracts in the spinal cord.
13. Describe components of a reflex arc, patellar, Golgi tendon, stretch, and withdrawal reflexes.
15. Identify the major plexuses in the spinal cord as well as major spinal nerves and their functions.
16. Discuss the immediate and long-range effects of spinal cord injury.
17. Identify the principal parts of the brain.
18. Explain the function of the cerebrospinal fluid, its composition, and the pathway of cerebro-spinal Flow (CSF).
19. Describe the blood supply to the brain and the blood-brain barrier.
20. Identify major structural and functional areas of the cerebral cortex and cerebrum including basal nuclei.
21. Identify the parts of the diencephalon and explain their roles in homeostasis.
22. Identify the three major components of the brain stem, their substructures and functions.
23. Discuss the structure and function of the cerebellum.
24. Discuss common disorders of the central nervous system.
25. Identify twelve pairs of cranial nerves: name, number, function and classify sensory, motor or mixed.
26. Identify the major nerves of the brachial plexus.

27. Identify the major nerves of the lumbosacral plexus.
28. Describe exteroceptors, interoceptors, and proprioceptors.
29. Compare the structure and functional differences between somatic efferent and autonomic nervous system (NS).
30. Compare the Contrast structure and function of parasympathetic and sympathetic nervous system (NS) and effects on organs.
31. Discuss acetylcholine and norepinephrine as the major neurotransmitters in the autonomic nervous system (ANS).
32. Discuss olfactory sensations and receptors.
33. Discuss gustatory sensations and receptors.
34. Describe external and internal anatomy of the eye.
35. Discuss the visual pathway and common errors of refraction.
36. List the major structures and functions of the external ear, middle ear and internal ear.
37. Discuss selected disorders of the special senses.

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College (STC) has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS**

Students are responsible for the policies and procedures in the Southeastern Technical College's (STC's) Catalog and Handbook. All examinations are conducted face to face in class with a proctor. During an examination, students are required to place all textbooks and personal property on the floor or counter located in the back or to the side of the classroom. Students are to be seated with an empty seat between each student. No talking is allowed once the test begins. **Students found with cell phone or any other communication device (including smart watches) during a test will be considered cheating and given a grade zero for the test. This applies to students who have completed/submitted test while testing is still in progress (other students are still testing).**

## **ATTENDANCE GUIDELINES**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes and assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor. Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" in a course.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course. **For this class, which meets one (1) day a week for eight (8) weeks, the maximum number of days a student may miss is ONE (1) day during the semester.**

### **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

**Important** – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which the student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be accessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

**Remember - Informing your instructor that you will not return to class does not satisfy the approved withdrawal procedure outlined above.**

### **FINAL EXAMINATION:**

A comprehensive final examination will be given at the end of the semester. There will be **no make-up exam** for the final examination. Failure to take the final examination on the specified date will result in a grade of zero. The final exam will include all chapters covered.

### **LEARNING OBJECTIVE ASSIGNMENTS:**

Students are required to read each chapter and complete **learning objectives** (LO) for each chapter. Learning objectives (LO) are found on Southeastern Technical College's Material Drive (M Drive) and Wiley Plus Next Gen Platform. All completed learning objectives should be **hand written** in blue ink and turned in EACH WEEK in lab report. Additional Assignments are stipulated in the Lesson Plan. Assignments are due on dates delineated on Lesson Plan.

### **EVALUATION PROCEDURES**

**All examinations/tests are conducted in class in traditional face to face format for both Lecture and Lab. In order to sit for the final exam, a student must maintain a Lecture Test and Lab Test Average of seventy percent (70%) or above prior to the date of the scheduled final exam. Grades of 69.9% will not be rounded up. If the student has below a 70% average, the student will be given a letter grade based on tests average. Assignments, lab reports, or presentation grades are not included in tests averages, only tests grades. THERE WILL BE NO DROP GRADE FOR LECTURE OR LAB.**

Scantrons will be provided for lecture exams and must be completed (answer options must be shaded) with a pencil. Scantrons shaded in pen will not be accepted and unable to be graded. Students will receive a grade "0" for test.

### **WILEYPLUS ASSIGNMENTS AND ACTIVITIES (TICKET TO CLASS)**

WileyPLUS online Assessments & Adaptive Practice must be completed weekly. These assignments account for 10% of final grade and must be completed by deadline. Failure to do so will result in zero points for the missed activity. No points will be awarded if the activity is completed **after** deadline. Each week students must complete WileyPLUS online chapter Assessments & Adaptive Practices for every chapter listed weekly on Lesson Plan below. Students will print a summary sheet for each chapter Assessment and Adaptive Practice upon completion. **Please highlight** name, chapter, time spent on assignment and grade as it will be recorded on every summary sheet. These summary sheets will serve as a "**TICKET TO CLASS**" & should be turned in on lab day. Students will not be permitted to enter lab without ticket to class and will be considered absent.

### **MAKEUP GUIDELINES**

Students will be allowed to make-up **one** lecture examination, EXCLUDING the final examination, due to an **excused absence** approved by the instructor. **Any other lecture exam missed will result in an automatic grade of zero.** There will be one day designated for the make-up Lecture exam. It will be scheduled at the end of the semester. Failure to take a make-up exam on the specified date will result in a grade of zero.

### **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

**Swainsboro Campus:** [Macy Gay, \(mgay@southeasterntech.edu\)](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

**Vidalia Campus:** [Helen Thomas, \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

### **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

**Swainsboro Campus:** [Macy Gay, \(mgay@southeasterntech.edu\)](mailto:mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210

**Vidalia Campus:** [Helen Thomas, \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

## **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

## **STATEMENT OF NON-DISCRIMINATION**

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas (hthomas@southeasterntech.edu)</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas (ljonas@southeasterntech.edu)</a>

**ACCESSIBILITY STATEMENT**

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

**GRIEVANCE PROCEDURES**

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

**ACCESS TO TECHNOLOGY**

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College's Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

**TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT**

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer*

**GRADING POLICY**

Assessment/Assignment	Percentage
Chapter Tests	50%
Learning Objective (LO) Assignments	10%
Weekly WileyPLUS Online Assignments: Assessments and Adaptive Practices	10%
Comprehensive Final Exam	30%
<b>Total</b>	<b>100%</b>

**GRADING SCALE**

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

**DISCLAIMER STATEMENT**

Instructor reserves the right to change the syllabus and/or lesson plan as necessary. The official copy of the syllabus is located on STC's M Drive and will be discussed on the first day of class. The syllabus displayed in advance of the semester in any location is for planning purposes only. This course does not utilize Blackboard.

# BIO 2113 Anatomy and Physiology (A&P) I

Spring 2020 Mini Mester (BIO 2113 **TUESDAY** LECTURE-HYBRID) lesson plan

**Subject to change at Instructor's discretion**

Date	Chapter (Ch.) and Content Lesson	Assignments and Tests	Competency Area
1/7	Introduction, Syllabus, Outline, Policies, emergency plan & Chapter (Ch.) outlines. Ch. 1: Introduction to the Human Body Ch. 2: The Chemical level of Organization Ch. 3: The Cellular Level of Organization Ch. 4: Tissue Level  Details on WileyPlus/login will be explained on first day of class. Students will complete for homework <b>WileyPLUS online Assessments &amp; Adaptive Practices</b> for Chapters (Chs.) 1-4.	<ul style="list-style-type: none"> <li>Read Chapters before Lecture &amp; complete Learning Objectives (LO) from M Drive/WileyPlus</li> <li>LO are due lab days (place in lab report)</li> <li>Complete forms to turn in from M. drive located in folder "forms to turn in":                             <ol style="list-style-type: none"> <li>STC's Student Profile Sheet</li> <li>A &amp; P Acknowledgement Statements</li> </ol> </li> <li>Print <b>WileyPLUS "TICKET TO CLASS"</b> (see syllabus for instructions) turn in on lab day. More details on WileyPlus in lab.</li> </ul>	C: 1,2 G: a-c
1/14	<b>Lecture Test # 1</b> Ch. 5: The Integumentary System Ch. 6: Skeletal System: Bone Tissue Ch. 7: Skeletal System: Axial Ch. 8: Skeletal System: Appendicular	<b>Lecture Test #1 (Ch. 1,2,3)</b> <ul style="list-style-type: none"> <li>Complete Learning Objectives</li> <li>WileyPLUS Assignments Ch. 5-8 (print <b>before</b> lab)</li> </ul>	C: 2-5 G: a-c
1/21	<b>Lecture Test # 2</b> <b>LAB Test #1</b> Ch. 9: Joints Ch. 10: Muscle Tissue Ch. 11: Muscular System	<b>Lecture Test #2 (Ch: 4,5,6)</b> <b>LAB Test #1 (Ch: 1,2,3,4,5,)</b> <ul style="list-style-type: none"> <li>Complete Learning Objectives</li> <li>WileyPLUS Assignments Ch. 9-10 (print <b>before</b> lab)</li> </ul>	C: 5-6 G: a-c
1/28	<b>Lecture Test # 3</b> <b>LAB Test #2</b> Ch. 12: Nervous Tissue Ch. 13: Spinal Cord and Nerves Ch. 14: Brain and Cranial Nerves	<b>Lecture Test #3 (Ch: 7,8,9)</b> <b>LAB Test #2 (Ch: 6,7,8,9)</b> <ul style="list-style-type: none"> <li>Complete Learning Objectives</li> <li>WileyPLUS Assignments Ch. 12-14 (print <b>before</b> lab)</li> </ul>	C: 5-7 G: a-c
2/4	<b>Lecture Test # 4</b> <b>LAB Test #3</b> Ch. 15: Autonomic Nervous System Ch. 16: Sensory, Motor, and Integrative Ch. 17: The Special Senses	<b>Lecture Test #4 (Ch: 10,11,12)</b> <b>LAB Test #3 (Ch: 10,11,12)</b> <ul style="list-style-type: none"> <li>Complete Learning Objectives</li> <li>WileyPLUS Assignments Ch. 15-17</li> </ul> <p><b>"Finals Review" place at back of lab report.</b>  <b>Reminder: Presentations in lab</b></p>	C: 6-7 G: a-c
2/11	<b>Lecture Test # 5</b> <b>LAB Test #4</b> <b>Group Presentation (continued)</b> <b>February 11<sup>th</sup> = 65% point</b>	<b>Lecture Test # 5 (Ch: 13 – 15)</b> <b>LAB Test #4 Ch: 13 – 17)</b>	C: 6-7 G: a-c
2/18	<b>FINALS: LAB and LECTURE</b> <b>Group Presentation (continued)</b>	<b>FINALS-LAB (ALL CHAPTERS)</b> <b>FINALS-LECTURE (ALL CHAPTERS)</b>	C: 1-7 G: a-c
2/25	Learning Objectives Check Offs Meet in LAB – GILLIS BUILDING	ALL CHAPTERS DUE Meet in Lab – Gillis Building	C: 1-7 G: a-c

**COMPETENCY AREAS (C):**

1. Body Organization
2. Cell Structure and Function
3. Tissue Classifications
4. The Integumentary System
5. The Skeletal System
6. The Muscular System
7. The Nervous and Sensory Systems

**GENERAL CORE EDUCATIONAL COMPETENCIES (G):**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.