



**BIOL 2113 L : Anatomy & Physiology Lab 1**  
**COURSE SYLLABUS**  
**Laboratory – WEDNESDAY PM**  
**Fall Semester 2015**

**Semester:** Fall 2015  
**Course Title:** Anatomy & Physiology I  
**Course Number:** BIOL 2113L  
**Credit Hours/ Minutes:** 3 / 2250  
**Class Location:** RMTC 725  
**Class Meets:** 5:30-8:00pm Wednesday  
**CRN:** 20333

**Instructor:** Erica Harrison  
**Email address:** [eharrison@gmail.com](mailto:eharrison@gmail.com)  
**Office Location:** Room #840 (RMTC Bldg.)  
**Office hours:** 7-12, 2-4 M; 7:30-8:30 T,W,R  
**Phone:** TBA  
**Fax Number:** 912-538-3106

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**REQUIRED TEXTS:**

<sup>1</sup>Principles of Anatomy and Physiology, Tortora/Grabowski, 13<sup>th</sup> Edition, John Wiley & Sons, Inc.

<sup>2</sup>Exercises for the Anatomy & Physiology Laboratory, Erin C. Amerman, 2<sup>nd</sup> Edition, Morton Publishing Inc..

<sup>3</sup>A Photographic Atlas for the Anatomy and Physiology Laboratory, 7<sup>th</sup> Edition, Morton.

**REQUIRED SUPPLIES & SOFTWARE:**

3 hole binder, clear front report cover (make sure it is sturdy and can hold 100 pages or more), colored pencils, ink pens, highlighter, and any other supplies deemed necessary by instructor.

**COURSE DESCRIPTION:**

Selected laboratory exercises paralleling the topics in BIOL 2113. The laboratory exercises for this course include body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous sensory systems.

**MAJOR COURSE COMPETENCIES:**

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

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**Pre-requisite:** Regular admission

**Co-requisites:** BIOL 2113 Anatomy and Physiology I

## **COURSE OUTLINE:**

- 1) Laboratory Safety
    - a) Discuss and apply laboratory exercises encompassing the appropriate practice of laboratory precautions and laboratory safety.
  - 2) Body Organization
    - a) Perform and apply laboratory exercises encompassing body organization.
  - 3) Cell Structure and Function
    - a) Perform and apply laboratory exercises encompassing cell structure and functions.
  - 4) Tissue Classifications
    - a) Perform and apply laboratory exercises encompassing tissue classification.
  - 5) Integumentary System
    - a) Perform and apply laboratory exercises encompassing the Integumentary system.
  - 6) Skeletal System
    - a) Perform and apply laboratory exercises encompassing the skeletal system.
  - 7) Muscular System
    - a) Perform and apply laboratory exercises encompassing the muscular system.
  - 8) Nervous and Sensory Systems
    - a) Perform and apply laboratory exercises encompassing the nervous and sensory systems.
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## **GENERAL EDUCATION CORE COMPETENCIES (GC)**

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

- 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.
- d) The ability to effectively utilize basic computer skills.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

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## **STUDENT RESPONSIBILITIES/REQUIREMENTS**

In order to be successful in this class, each student should study a minimum of 2 hours per day. Before arriving to class, the student should come to class prepared by reading the assigned chapters, learning the bold faced vocabulary terms for each assigned chapter, and answering the study questions for each chapter. Failure to comply with these suggestions will make it impossible to understand the lecture material and will result in unsuccessfulness in the course. This course contains a lot of information and you must keep up on a daily basis.

Students are responsible for the policies and procedures in the STC E-Catalog. 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 their cell phone or any other personal communication device during the test will be considered cheating and be given a zero for the test. This includes taking a phone out after the student has completed an exam but other students are still testing.**

Students are expected to exhibit professional behavior at all times. Each student must show respect and concern for fellow students and for the instructor. Insubordination will not be tolerated, and disciplinary measures will be enacted. **No cell phones or pagers are allowed to be turned on or operated in the classroom.** Personal phone calls must be handled **after class**. Watches with alarms should not be programmed to sound during class.

### **No EATING/DRINKING IS ALLOWED IN LAB OR CLASSROOMS!!!**

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#### **STC ATTENDANCE POLICY:**

It is essential that educational programs maintain requirements and standards necessary for successful employment of its graduates in business and industry. In view of the intensive nature of the educational programs, it is necessary for every student to be present and on time every day for all classes.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time as noted on each syllabus will receive a "W" for the course if removed from the course on or before midterm. After the semester midterm, any student who has maintained a passing grade within a course will receive a 'WP' for the course when attending less than the required scheduled instructional time as stated on each course syllabus. If, however, the student has not maintained a passing grade, he or she will receive a 'WF' for the course.

#### **Definitions**

##### **Scheduled Instructional Time**

Scheduled instructional time is explained by the instructor during the course orientation as listed on the course syllabus. The scheduled time will be maintained until all work is completed or until the end of the course.

##### **Tardy or Early Departure**

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 involved.**

**Traditional Attendance Addendum: For this class which meets 1 day a week for 15 weeks the maximum number of days a student may miss is 2 days during the semester.\***

**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 discretion of the instructor.

**Special Needs:** Students with documented special needs may be provided with an individualized Instructional Plan with specifications for scheduled instructional time. It is the student's responsibility to inform the ADA Coordinator as students and instructors are required to have documented evidence prior to receiving or allowing special accommodations. See STC Catalog and Student Handbook, Student Affairs section for further information regarding special needs.

**Special Needs Addendum:** Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.

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**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The entire policy/procedures will be discussed with you by the instructor. The policy can also be found in the STC Catalog and Student Handbook.

### **Procedure for Academic Misconduct**

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

#### **--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.

#### **--Second Offense--**

Student is given a grade of "WF" 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.

#### **--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 second 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.

## **EVALUATION PROCEDURES**

**In order to sit for the final exam, a student must maintain a Lecture Test and Lab Test Average of 70 or above prior to the date of the scheduled final. 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.**

**THERE WILL BE **NO DROP GRADE** FOR LECTURE OR LAB.**

**Lecture Examinations:** 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. (**NOTE: There will be no make-up opportunity for missed lab exams**)

**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.

**Assignments:** Students are required to read each chapter and complete learning objectives for each chapter. Learning objectives are found on the M Drive. All completed learning objectives should be hand written and turned in EACH WEEK in lab report. Additional Assignments are stipulated in the Lesson Plan and can be found on the M. Drive as well. All assignments are due on dates delineated on Lesson Plan.

**Group Project/Presentation:** Students will work in small groups (3-5 people/group) and give an educational Power Point presentation on a disease or disorder that affects certain body systems related to chapters we will cover in this course. List of topics to choose from along with guidelines for arrangement, content, requirements, and rubric for Power Point presentations are provided on STC’s “M” drive. Presentations should be 15-20 minutes long. Please ensure presentations are within time limit. Do not exceed 20 minutes or do not present less than 15 minutes. Points will be deducted if presentation is over or under time limit. You are required to include visual aid or short video clips or any materials/media that will enhance presentation. However, video clips should not exceed 3-4 minutes. Each presentation should not exceed 2 video clips. Points will be deducted for additional video clips. Group members should have **equal participation** for this project. The week before presentations, instructor will ask all group members for feedback on equal participation. Feedback on equal participation includes but not limited to the following: participating at group meetings during Lecture/Lab or out of class meetings, corresponding/communicating in a timely manner with group members to provide information on assigned portion of project, and providing pertinent information regarding assigned portion of project. The week of Presentation (date indicated on lesson plan), **all presentations should be submitted to instructor and saved on Instructor’s Computer (Desktop) prior to the designated presentation day.**

**STATEMENT OF NON-DISCRIMINATION**

Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC’s website.

**ACCESS TO TECHNOLOGY:** For information regarding Angel, the Information Delivery System (IDS), Student Owl Mail, and BannerWeb, please see the IT Department link on STC’s website at <http://www.southeasterntech.edu>.

<p><b>GRADING SCALE:</b></p> <table border="0"> <tr> <td colspan="3">Grading Scale:</td> </tr> <tr> <td>A</td> <td>Excellent</td> <td>100 – 90</td> </tr> <tr> <td>B</td> <td>Good</td> <td>89 – 80</td> </tr> <tr> <td>C</td> <td>Satisfactory</td> <td>79 – 70</td> </tr> <tr> <td>D</td> <td>Poor</td> <td>69 – 60</td> </tr> <tr> <td>F</td> <td>Failing</td> <td>59 - 0</td> </tr> </table>	Grading Scale:			A	Excellent	100 – 90	B	Good	89 – 80	C	Satisfactory	79 – 70	D	Poor	69 – 60	F	Failing	59 - 0	<p><b>Each Students final grade for the course will be calculated in the following manner...</b></p> <p>(Lab Exam Avg.).....x 0.50 = + _____</p> <p>(Lab Report) .....x 0.10 = + _____</p> <p>(Final Exam Score).....x 0.40 = + _____</p> <p><b>Numerical Course Grade.....= _____</b></p>
Grading Scale:																			
A	Excellent	100 – 90																	
B	Good	89 – 80																	
C	Satisfactory	79 – 70																	
D	Poor	69 – 60																	
F	Failing	59 - 0																	
<p><b>GRADING COMPONENTS:</b></p> <table border="0"> <tr> <td>Lab Exams</td> <td>50%</td> </tr> <tr> <td>Lab Report</td> <td>10%</td> </tr> <tr> <td>Comprehensive Final Exam</td> <td>40%</td> </tr> </table>	Lab Exams	50%	Lab Report	10%	Comprehensive Final Exam	40%	<p><b>TCSG GUARANTEE/WARRANTY STATEMENT:</b></p> <p>The Technical College System of Georgia guarantees employer 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.</p>												
Lab Exams	50%																		
Lab Report	10%																		
Comprehensive Final Exam	40%																		

## BIOL 2113 LABORATORY Lesson Plan **(WEDNESDAY PM)**

**\*Subject to change at the instructors discretion\***

Date	Lab Assignments/Lab Units	Tests (Chapters)	Competency Area
8/19	Introduction, Policies & Lab Safety Unit 1: Intro. to Anatomical Terms Unit 2: Chemistry	Unit 1: 1) Key Terms pg. 1,2 2) Ex: 1-2 pg. 3 Unit 2: 1) Key Terms pg. 11	*CC 1,2 **GCC a-d
8/26	Unit 3: Introduction to the Microscope Unit 4: Cytology	Unit 3: 1) Parts of Microscope 2) Microscope observation Unit 4: 1) Key Terms pg. 25 2) Table 4-2 pg. 26	*CC 1,2,3 **GCC a-d
9/2	Unit 5: Histology Unit 6: Integumentary System	Unit 5: 1) Key Terms pg. 37-38 2) table 5-2 pg. 43 Unit 6: 1) Key Terms pg. 45-46 2) Table 6-2 pg. 46	*CC 3-5 **GCC a-d
9/9	Unit 7: Intro- Skeletal System Unit 8: Skeletal System	Unit 7: 1) Key Terms pg. 53-54 2) Table 7-2 pg. 54 Unit 8: 1) Key Terms pg. 59-60 2) Table 8-2 pg. 60 (A & B)	*CC 6 **GCC a-d
9/16	Unit 9: Articulations Unit 10: Muscle Tissue	Unit 9: 1) Key Terms pg. 73-74 2) table 9-2 pg. 74 Unit 10: 1) Key Terms pg. 81-82 2) Table 10-2 pg. 82	*CC 1-5 **GCC a-d
9/23	Unit 11: Skeletal Muscle Anatomy	Unit 11: 1) Key Terms pg. 89-90 2) Tables A & B pg. 91	*CC 1-5 **GCC a-d
9/30	Unit 12: Nervous Tissue	Unit 12: 1) Key Terms pg. 101-102 2) Table 12-2 pg. 102	*CC 6,7 **GCC a-d
10/7	Unit 13: Central Nervous System Unit 14: Peripheral Nervous System	Unit 13: 1) Key Terms pg. 107-108 Unit 14: 1) Key Terms pg. 117 2) Table 14-2 pg. 118	*CC 6-8 **GCC a-d
10/14	Unit 14: Autonomic Nervous system Unit 15: General/Special Senses (Eye/Ear)	Unit 15: 1) Key Terms pg. 129-130 2) Table 15-2 pg. 130	*CC 5,6 **GCC a-d
10/21	Unit 15: General and Special Senses Taste and Cutaneous	Unit 15: 1) Table 15-3 pg. 131 2) Table 15-4 pg. 131	*CC 1-8 **GCC a-d
10/28	Group Presentations	Group Presentations: 3-5 per group, 15-20 minutes. Visual aid required. Print presentation & place in lab report. (10% of final lecture grade.)	*CC 1-8 **GCC a-d
11/4			
11/11	Lab Reports	<b>ALL Units Assignments</b>	*CC 1-8 **GCC a-d
11/18	Research Assignments	<b>To be submitted next scheduled lab meeting. Portion of Lab Report grade of 10% deducted if not submitted on due date.</b>	*CC 1-8 **GCC a-d
11/25	Holidays - Thanksgiving	Holiday	
12/3	Lab Check-Offs	Final day to submit lab Assignments	*CC 1-8 **GCC a-d

\*CC= Course Competency/ \*\*GCC= General Core Education Competency

**\*COURSE COMPETENCY AREAS (CC):**

- 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

**\*\*GENERALCORE EDUCATION COMPETENCIES (GCC):**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
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