I. Course Information

Course Title: Anatomy and Physiology I - Laboratory
Course Number: BSC 1085 L
Prerequisites: C (or better) in BSC1010 and BSC1010L, or equivalent
Co-requisites: BSC 1085
Credit Hours: 1.0
Contact Hours: 32

II. Course Method

Traditional
This course meets in person at the Upper Keys Center in room CS-4, 206 on Tuesdays from 7:00-8:45 pm for the entire semester (August 23-December 6).

III. Instructor

Robert A. Bullis
Robert.Bullis@FKCC.edu
Cell: 443-621-4170
Office: 305-743-2133 (Middle Keys Center)
Office: 305-852-8007 (Upper Keys Center)
Office Hours: one hour before or after scheduled classes or by appointment.

IV. Description

A survey of the integumentary, skeletal (including articulations), muscular and nervous systems, as well as basic biological chemistry and the organization and function of the tissues of the human body.

V. Major Topics

1. Introduction and history of anatomy
2. Chemical basis of life
3. Structure and function of the cell
4. Histology (the study of tissues)
5. Integumentary system
6. Skeletal system (bones and bone tissue, including axial and appendicular skeleton, articulations and movement)
7. Muscular system (histology, physiology and gross anatomy of the muscles of the face, head and neck, upper limbs, torso, pelvis and lower limbs).
8. Nervous System (histology, physiology and gross anatomy of brain, spinal cord and associated nerves)

VI. Course Calendar

The Course Calendar provides the lab schedule, major topics and student assessments that comprise this course on a weekly basis. Pay close attention to the “Student Assessment” column, as it lists all exams and graded assignments with due dates: missing a class does not exempt you from assignments or exams. Please see the course policies below for more information.
Please note: *The course schedule is subject to change to meet the needs of the course and its students. If you miss a class, it is your responsibility to contact me to find out what you may have missed.*

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Learning Activities</th>
<th>Student Assessment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>August 23</td>
<td>Orientation Introduction to AP Revealed CD/ROM and Workbook</td>
<td>Review Chapter 1 - AP Revealed Workbook Guided Tour – AP Revealed CD/ROM</td>
<td></td>
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<tr>
<td>2</td>
<td>August 30</td>
<td>Organs, Systems, and Organization of the Body; Chemical Basis of Life</td>
<td>Chapter 1 AP Revealed Workbook</td>
<td>100</td>
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<tr>
<td>3</td>
<td>September 6</td>
<td>Cell Structure and Function</td>
<td>Chapter 2 - AP Revealed Workbook</td>
<td>50</td>
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<tr>
<td>4</td>
<td>September 13</td>
<td>Tissues and Histology</td>
<td>Chapter 2 - AP Revealed Workbook</td>
<td>50</td>
</tr>
<tr>
<td>5</td>
<td>September 20</td>
<td>The Integumentary System</td>
<td>Chapter 2 - AP Revealed Workbook</td>
<td>100</td>
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<tr>
<td>6</td>
<td>September 27</td>
<td>Bones and Bone Tissue and The Appendicular Skeleton.</td>
<td>Chapter 3 - AP Revealed Workbook</td>
<td>50</td>
</tr>
<tr>
<td>7</td>
<td>October 4</td>
<td>Articulations</td>
<td>Chapter 3 - AP Revealed Workbook</td>
<td>50</td>
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<tr>
<td>8</td>
<td>October 11</td>
<td>MIDTERM EXAMINATION</td>
<td>No Laboratory</td>
<td></td>
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<tr>
<td>9</td>
<td>October 18</td>
<td>No Classes</td>
<td>No Laboratory</td>
<td></td>
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<tr>
<td>10</td>
<td>October 25</td>
<td>Muscle Physiology</td>
<td>Chapter 4 - AP Revealed Workbook</td>
<td>100</td>
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<tr>
<td>11</td>
<td>November 1</td>
<td>Muscular System - Gross Anatomy</td>
<td>Chapter 4 - AP Revealed Workbook Cont’d</td>
<td>50</td>
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<tr>
<td>12</td>
<td>November 8</td>
<td>Nervous System</td>
<td>Chapter 5 AP Revealed Workbook</td>
<td>50</td>
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<tr>
<td>13</td>
<td>November 15</td>
<td>Spinal Cord and Somatic Nerves</td>
<td>Chapter 5 AP Revealed Workbook excluding 221-242</td>
<td>50</td>
</tr>
<tr>
<td>14</td>
<td>November 22</td>
<td>Brain and Cranial Nerves</td>
<td>Chapter 5 AP Revealed Workbook excluding 221-242</td>
<td>50</td>
</tr>
<tr>
<td>15</td>
<td>November 29</td>
<td>Integration of Nervous System Function</td>
<td>Chapter 5 cont’d AP Revealed Workbook excluding 221-242</td>
<td>100</td>
</tr>
<tr>
<td>16</td>
<td>December 6</td>
<td>Submit AP Revealed Workbooks</td>
<td>Workbook Completion</td>
<td></td>
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VII. Materials

**REQUIRED TEXTBOOK**  
*Anatomy and Physiology Revealed CD/ROM Version 2.0 and Workbook to Accompany Anatomy and Physiology Revealed*

**PUBLISHER**  

**ISBN**  
978-0-07-337814-5

*NOTE: All other lab supplies and equipment (including safety goggles and lab coats, when required) will be provided.*

VIII. Grading Scale

- A: 90 - 100%
- B: 80 - 90%
- C: 70 - 80%
- D: 60 - 70%
- F: Below 60%

IX. Grade Determination & Course Policies

<table>
<thead>
<tr>
<th>Weight (%)</th>
<th>Component</th>
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<tbody>
<tr>
<td>80 %</td>
<td>AP Revealed Laboratory Assignments (800 points)</td>
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<tr>
<td>20 %</td>
<td>Participation @ 200 points</td>
</tr>
<tr>
<td>100 %</td>
<td>Final Grade (1000 points)</td>
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**Laboratory Policies**

Your safety in the lab is of primary importance in everything we do! All students are expected to follow all lab safety guidelines at all times while in the lab. In addition, the following lab rules apply:

- No eating or drinking in the lab (not even water!).
- Wash your hands before you leave the lab room—every time you leave!
- Leave the lab as you found it: all equipment clean and properly stored; all used glass and trash in their respective containers; all chemicals capped and returned to the front desk.
- No cell phone usage (put the phone on vibrate and take calls outside if you must take a call).

Class participation includes attendance, adherence to lab safety guidelines and rules, as well as participation in lab activities and group discussions. Extra credit may be available in this category. Arriving late, leaving early, using a cell phone, as well as any other disruption of class will result in loss of points. Labs cannot be “made up” in the sense that absences from lab will count against the class participation grade; however, virtual labs will facilitate learning the material outside the scheduled lab meeting times.

**Withdrawal**

1. Students may withdraw without academic penalty from any course by the established deadline published in the College’s calendar. This will result in a grade of ‘W’ for the course and will not count against the student's GPA.
2. Students will be permitted a maximum of two withdrawals per course. Upon the third attempt, the student WILL NOT be permitted to withdraw in accordance with State of Florida regulations and will receive an earned grade for that course.
3. It is the responsibility of the student wishing to withdraw from the course to do so by the date published in the College Academic Calendar.
4. Students who abandon the course or do not withdraw themselves by the published deadline are subject to receiving a grade of F.

**Academic Honesty & Plagiarism**

1. Students are expected to respect and uphold the standards of honesty in submitting written work to instructors. Though occurring in many forms, plagiarism in essence involves the presentation of another person’s work as if it were the work of the presenter. Any cheating or plagiarism will result in disciplinary action to be determined by the
instructor based on the severity and nature of the offense. It is the student’s responsibility to review the College’s policy on Academic Honesty.

2. Collaboration and discussion is encouraged in all course aspects other than actually completing the assigned work (quizzes, exams, homework, projects, etc). Indeed, collaboration often leads to increased understanding of the material being covered. If you have questions about an assignment, I encourage you to speak up and ask questions about it.

3. It should, but will not, go without saying that plagiarism is a form of fraud and will not be tolerated. You are expected to do your own work. Copying text or images from any source and claiming it as your own is considered plagiarism. Submitting copied text as most or all of your answer on a homework or project is also a form of dishonesty, even if you cite the source. I want to read YOUR words, not someone else’s words. Using quoted text to support your answer will not usually be necessary in this class.

4. If I catch you in any form of academic dishonesty, you will receive a grade of zero for that assignment. If I catch you a second time, you will earn a failing grade for this class and be reported to the College.

5. During this course you will be provided with a number of educational tools that integrate with your textbook. All lecture notes, presentations, reviews, and CD/ROMs distributed by the instructor are copyrighted by the McGraw-Hill Companies, Inc. who reserves all rights to this information. No part of this information may be reproduced or distributed in any form without the prior written consent of The McGraw-Hill Companies, Inc.

Special Needs
If you have any special needs or requirements pertaining to this course, please discuss them with the instructor early in the term. If you have special needs as addressed by the Americans with Disabilities Act (ADA) and need assistance, please notify the Office for Students with Disabilities at 305-809-3504 via email at: joanne.dinkel@fkcc.edu or the course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Sexual Predators
Federal and State law requires a person designated as a “sexual predator or offender” to register with the Florida Department of Law Enforcement (FDLE). The FDLE then is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. Information regarding sexual predators or offenders attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus, by calling the FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at www.fdle.state.fl.us/sexual_predators. If there are questions or concerns regarding personal safety, please contact the Campus Security Officer on your campus.