Professor:  Carol Chaia Halpern, Ph.D.  
Office location: Higgins 425  
Telephone # 552-3565  
Office hours: Th 11:30 – 1 and by appointment  
Students are strongly encouraged to come see me (either during office hours or by appointment) regarding questions or difficulties with the material covered and/or other difficulties that interfere with the learning process.


Boston College Mission Statement
Strengthened by more than a century and a half of dedication to academic excellence, Boston College commits itself to the highest standards of teaching and research in undergraduate, graduate and professional programs and to the pursuit of a just society through its own accomplishments, the work of its faculty and staff, and the achievements of its graduates. It seeks both to advance its place among the nation's finest universities and to bring to the company of its distinguished peers and to contemporary society the richness of the Catholic intellectual ideal of a mutually illuminating relationship between religious faith and free intellectual inquiry.

Boston College draws inspiration for its academic societal mission from its distinctive religious tradition. As a Catholic and Jesuit university, it is rooted in a world view that encounters God in all creation and through all human activity, especially in the search for truth in every discipline, in the desire to learn, and in the call to live justly together. In this spirit, the University regards the contribution of different religious traditions and value systems as essential to the fullness of its intellectual life and to the continuous development of its distinctive intellectual heritage.

BIOL 133001  Anatomy and Physiology Lab II
A continuation of BIOL 13100. Does not satisfy Natural Science Core Requirement for BC students. This course is intended for Nursing/Allied Health Professions students. Boston College biology majors/premed students must obtain department approval before registering for this course.
July 13–July 29, M T W, 11:15 a.m.-1:30 p.m.  Carol Chaia Halpern

Important Policies
http://www.bc.edu/content/bc/schools/adystudies/guide/academicinteg.html

Consistent with our commitment of creating an academic community that is respectful of and welcoming to persons of differing backgrounds, we believe that every reasonable effort should be made to allow members of the university community to observe their religious holidays without jeopardizing the fulfillment of their academic obligations. It is the responsibility of students to review course syllabi as soon as they are distributed and to consult the faculty member promptly regarding any possible conflicts with observed religious holidays. If asked, the student should provide accurate information about the obligations entailed in the observance of that particular holiday. However, it is the responsibility of the student to complete any and all class requirements for days that are missed due to conflicts due to religious holidays.

There may be circumstances that necessitate a departure from this policy. Feel free to contact the Summer Session Office at 617-552-3800 for consultation.

If you are a student with a documented disability seeking reasonable accommodations in this course, please contact Kathy Duggan, (617) 552-8093, dugganka@bc.edu, at the Connors Family Learning Center regarding learning disabilities and ADHD, or Paulette Durrett, (617) 552-3470, paulette.durrett@bc.edu, in the Disability Services Office regarding all other types of disabilities, including temporary disabilities. Advance notice and appropriate documentation are required for accommodations.
**Academic Integrity:**

"Boston College values the academic integrity of its students and faculty. It is your responsibility to familiarize yourself with the university’s policy on academic integrity: [http://www.bc.edu/offices/stserv/academic/resources/policy/#integrity](http://www.bc.edu/offices/stserv/academic/resources/policy/#integrity). If you have any questions, always consult your professor. Violations of academic integrity will be reported to your class dean and judged by the academic integrity committee in your school. If you are found responsible for violating the policy, penalties may include a failing grade as well as possible probation, suspension, or expulsion, depending on the seriousness and circumstances of the violation."

<table>
<thead>
<tr>
<th>Date</th>
<th>Lab Topic/s</th>
<th>Exercises in Text</th>
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</thead>
<tbody>
<tr>
<td>7/13</td>
<td>The Body-Mind</td>
<td>Handout</td>
</tr>
<tr>
<td></td>
<td>The Nervous System; brain and spinal cord</td>
<td>Parts of Exercises 17 &amp; 19</td>
</tr>
<tr>
<td>7/14</td>
<td>General Senses and Special senses: Olfaction and Gustation</td>
<td>Parts of Exercise 22</td>
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<td></td>
<td>Parts of Exercise 22</td>
<td>Parts of Exercise 26</td>
</tr>
<tr>
<td>7/15</td>
<td><strong>TEST 1</strong></td>
<td></td>
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<td></td>
<td>The Special Senses: Vision</td>
<td>Parts of Exercise 23, 24</td>
</tr>
<tr>
<td>7/20</td>
<td>The Special Senses: Audition, Hormonal regulation of kidney function</td>
<td>Parts of Exercises 25</td>
</tr>
<tr>
<td></td>
<td>Handout</td>
<td></td>
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<tr>
<td>7/21</td>
<td>The Cardiovascular System</td>
<td></td>
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<tr>
<td></td>
<td>I. The Heart and The Arterial System</td>
<td>parts of Exercise 30</td>
</tr>
<tr>
<td></td>
<td>II. Identification of Arteries using ADAM</td>
<td>Exercise 32 pp.469 - 477</td>
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<td></td>
<td>III. The Venous system - ADAM</td>
<td>Ex. 32 pp.478 - 484</td>
</tr>
<tr>
<td>7/22</td>
<td><strong>TEST 2</strong></td>
<td></td>
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<td></td>
<td>IV. Cardiovascular Physiology</td>
<td>Hand Out and parts of</td>
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<tr>
<td></td>
<td></td>
<td>Exercise 33A</td>
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<tr>
<td>7/27</td>
<td>The Immune System</td>
<td>ELISA - Hand out</td>
</tr>
<tr>
<td></td>
<td>The Respiratory System</td>
<td>Hand Out 36 and 37</td>
</tr>
<tr>
<td>7/28</td>
<td>The Digestive System</td>
<td>Parts of 38 and 39</td>
</tr>
<tr>
<td>7/29</td>
<td><strong>FINAL EXAM - cumulative</strong></td>
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**General Information about this semester’s labs.**

**General Rules:**

**NO FOOD OR BEVERAGES ARE TO BE BROUGHT INTO THE LAB.**

**CLOSED SHOES MUST BE WORN IN THE LAB. STUDENTS WILL BE SENT HOME TO CHANGE IF FOOT ATTIRE IS IN VIOLATION.**

For the most part, the lecture and laboratory schedules are coordinated so that the laboratory exercises follow the material previously covered in lecture. Thus, the laboratory exercises/experience is intended to enhance your overall understanding of the topics covered. During the semester, you will be working with exercises from the lab manual, exercises posted on the course site, the Physio-Ex CD access that comes with the lab manual and the ADAM software (to be found on the Biology Department Web site and available to every student on their own computer). Please be sure to bring the lab manual to class as well as a print-out of the posted “hand-outs” and power points from Blackboard Vista.
Please be sure that you have email and/or phone information that will allow you to reach your lab teacher. At the same
time, please realize that you cannot expect an immediate response from your teachers. So, if you have questions about
homework due, you need to clarify that in a timely fashion.
Please talk to your teacher if you are experiencing difficulties with aspects of the lab work.

**Take responsibility for your learning process.** Come to lab prepared and on time. This means that you look over the
exercises for that week so that you can really start working as soon as you come to lab. Even though you may not know
exactly what will happen in lab, some of the terminology will already be familiar.
Whenever lab quizzes are given, they will be at the beginning of class - be there **on time**. In general, there are **no make
up quizzes or exams**. Students that have to miss an exam for significant medical reasons must first contact Dr. Halpern
**prior to** the exam hour. Then s/he needs to obtain a letter from the dean. Otherwise a zero will be recorded for the
missed exam or quiz.

Lab exams (both quizzes and other exams) include all the material previously covered in the hands-on lab portions, the
introductory presentations and power points, the lab exercises in the manual and the assigned homework. The quizzes will
cover the material you were previously not tested on, whereas the midterm and final exams will include all the previous
material.

Unless otherwise indicated, assigned homework is due the following lab meeting (please have all the pages
organized and stapled and your name on the front page). Late work will be down-graded and not accepted if
more than one day late. Lab homework needs to be completed in an independent fashion. That means that
you cannot copy answers from another student. While you can discuss lab experiments or activities with your
classmates and ask your teachers for help and clarification, once you sit down to do your homework, you must
work on your own.

**Academic Integrity:**
Please review the University policy regarding Academic Integrity. In particular with regard to your lab work, all
homework should be done independently (although help to understand the assignment can be obtained from
your lab teachers prior to actually writing the homework). Even when working in groups during the lab and
sharing results, homework needs to be done independently.

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Violations of academic integrity will be reported to your class dean and judged by
the academic integrity committee in your school. If you are found responsible for
violating the policy, penalties may include a failing grade as well as possible
probation, suspension, or expulsion, depending on the seriousness and
circumstances of the violation.”

Take pride in the learning process. Plan to take the full lab time to study the material in whatever form it is presented
during a given week. If you find yourself taking the easy way out or not wanting to do the necessary work, think of your
healthcare provider and imagine how you would feel if s/he had the same attitude.

**How Your Grade Will Be Determined:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Lab Homework</td>
<td>35%</td>
</tr>
<tr>
<td>Test 1</td>
<td>18%</td>
</tr>
<tr>
<td>Test 2</td>
<td>18%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
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<tr>
<td>T.A. Evaluation (attendance, attitude, participation)</td>
<td>4%</td>
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</tbody>
</table>

Please note that your letter grade will roughly reflect the following: the A range is in the 90s, the B range is in the 80s, the
C range is in the 70s, etc. The precise cut off for a given letter grade will be determined after the final exam and the
assessment of the class average.