BIOL 2050: Fundamentals of Human Anatomy and Physiology I
FALL 2013 COURSE SYLLABUS

Instructor: Dr. Marcia Hesser
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Office: E-103 Crawford Laboratory Building, SPSU Campus
Office Hours: 10:30-Noon, T
1:00-3:00pm, WR, or by appointment
Feel free to stop by my office at any time. If I am not busy, I will be happy to speak with you!
Virtual Office Hours: Contact me to make an appointment

Course Web Page (Desire2Learn): https://spsu2.view.usg.edu/
Student Desire2Learn Login Instructions: http://spsu.edu/d2l/student/

Course Description & Learning Outcomes:
This course will expose students to the fundamental principles of human anatomy and physiology under the unifying theme of homeostasis. The lecture sessions will examine topics such as eukaryotic cells, energy metabolism, integumentary system, skeletal and muscle composition, and the nervous system.

Student learning outcomes will be:
1. Understand and appreciate the unifying physiological theme of homeostasis.
2. Learn the fundamentals of a cell and the biological molecules involved.
3. Interpret the cell's role in energy metabolism and division.
4. Become familiar with the types of tissues found in the body.
5. Learn the fundamentals of the integumentary system.
6. Learn the structure and function of the skeletal and muscular system.
7. Learn the structure and function of the nervous system.


Technical Requirements: You may need headphones and a microphone for live group meetings in Wimba Classroom or Wimba Voiceboard.

Credit Hours: 3
Prerequisites: None

Grading Scale: out of 100%
A = 90 – 100%
B = 80 – 89.4%
C = 70 – 79.4%
D = 60 – 69.4%
F = below 60%

**Evaluation:**

Evaluation for the class will be based on the following criteria:

- Four exams 80%
- Homework/Group Assignments 5%
- Quizzes 5%
- Discussion Participation 10%

\[ \text{Evaluation} = \frac{\text{Current % average for each criterion}}{\text{Criterion percentage value}} \times \text{Criterion percentage value} \]

To determine the course percentage earned, simply calculate your current % average for each criterion and multiply the % average by that criterion percentage value. The resulting number represents the percentage earned for that criterion. Repeat this for each criterion, and then add the earned percentages together. The final number will be your percentage in the course (out of 100%).

**Course Expectations**

**Weekly Expectations:** For this online class, you should expect to spend 5-6 hours a week in Desire2Learn (D2L) on coursework, plus appropriate study time. Each week, you will be expected to complete a different Module (1-16), which will either cover a chapter in the textbook or will consist of 1 of 4 exams. There will be video lectures (broken into ~20-minute parts), PowerPoint slides, as well as ancillary materials for each chapter. You are expected to review each of the provided materials for each Module as many times as necessary. You will have individual assignments, homework, and/or quizzes based on the lecture material, as well as group assignments and weekly Discussion boards. Announcements (regarding assignments or course content) may be relayed through email or the “News Feed” tool in D2L.

**Class participation (Discussion boards):** Each week there will be a Discussion, of which the topic will correspond with our lecture topics and will be of my choosing. You will be required to comment at least twice on each weekly Discussion board, once with your initial response and once as a response to a fellow student’s post. My role will be one of facilitator for this interaction, so I may not respond to every comment. However, I will be monitoring each student’s contributions closely. Discussion posts will be graded on timeliness and quality. Your honest opinions are encouraged, but please be respectful of every comment from the Instructor, as well as your fellow students. Also, you are required to use proper grammar, complete sentences, and appropriate spelling. Please review the “Netiquette” section on how to post.

**Instructor Responsibility:** It is my job as the Instructor to provide prompt feedback for your assignments to maximize efficiency. It is my intent to provide a grade for each assignment that you turn in within 1 week. I will also be closely monitoring your Discussion posts, as well as your overall progress in this course. Please feel free to contact me with questions or concerns during my regular office hours, or schedule a time to meet outside of my normal hours (all of which can be done online). The best
way to contact me is through my SPSU email (which can be accessed through D2L). Please be aware that I check my email regularly. An email sent during normal business hours should be returned by the end of that business day, but an email sent after 5pm may not be received until the morning of the next business day.

**Student Responsibility:** Distance learning requires more individual discipline that traditional classes, and requires improved implementation of time management. Please be advised that this course will not be easier in an online fashion than a traditional face-to-face course. Anatomy and physiology requires a serious time commitment of reviewing lecture materials, as well as personal study time.

**Exams:** Exams (including the final) are not comprehensive; although, each will assume that previous material has been learned. Each exam will be closed-book and closed-notes and will be given a 60-minute time limit.

**Quizzes/Assignments:** All weekly assignments can be found in D2L. Also, all assignments, quizzes, and exams will be turned in or completed in D2L. Assignments will be submitted to the appropriate Dropbox and quizzes will be completed under the Quiz tool, both found in D2L. Due dates for each week’s assignment can be found in the corresponding Module in D2L, as well as on the Course Calendar. As a general rule, each week’s Graded Assignments will be due by Sunday evening at Midnight.

**McGraw-Hill CONNECT:** This semester you will have the option to purchase a subscription to an online service provided by our textbook publisher (the subscription comes with the textbook purchased from the SPSU bookstore, but can be purchased individually). This service, called Connect, provides a way for you as a student to receive extra help on the topics covered in this course. There are self-assessments (quizzes and exams that aren’t graded), multimedia documents, and extra homework that will adapt to your style of learning and focus on the material that you are struggling most with. It is an excellent way to study for the exams in this course, and also a way to prepare for lab! I highly recommend purchasing a subscription (the cost is extremely low and the benefit will be extremely high!).

**Late Work:** Late work will be accepted up to 72 hours past the deadline, with a reduction in your potential maximum score by 15 points per 24 hours. Make-up lecture examinations WILL NOT be allowed, except for SERIOUS medical conditions and games for SPSU sports teams. A physician MUST provide written documentation of the illness, and must include a contact telephone number. Documentation is also required for sports-related absences, and is required 1 week in advance. Failure to provide adequate confirmation will result in a zero for the exam. The makeup exam will be in the format of my choosing (oral exams & essay exams are likely formats).

**Academic Honesty:** SPSU has an Honor Code and a procedure for handling cases when academic misconduct is alleged. All students should be aware of them. Information about the Honor Code and the misconduct procedure may be found at [http://www.spsu.edu/honorcode/](http://www.spsu.edu/honorcode/). All work must be your own! If you are caught
cheating on any graded assignment you will receive an F for the entire course. An F grade issued for academic dishonesty cannot be converted to a W.

**Learning Disabilities:** If you have a documented disability as described by the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) that may require you to need assistance attaining accessibility to instructional content to meet course requirements, we recommend that you contact the ATTIC at (678) 915-7361 as soon as possible. It is then your responsibility to contact and meet with your instructor. The ATTIC can assist you and the instructor in formulating a reasonable accommodation plan and provide support in developing appropriate accommodations for your disability. Course requirements will not be waived but accommodations will be made, when appropriate, to assist you to meet the requirements. I MUST receive a copy of the completed ‘Faculty Accommodation Form’ from the ATTIC before I provide any class accommodations.

**Technological Support (D2L):** Instructions for D2L technology support can be found at the following website: [http://spsu.edu/uits/gethelp.htm](http://spsu.edu/uits/gethelp.htm). For Wimba Technical Support, go to [http://www.wimba.com/services/support/](http://www.wimba.com/services/support/).

**TIPS FOR SUCCESS FROM SOMEONE WHO’S BEEN THERE**

**General Advice**

- **Keep up with the material!** One way to insure poor performance in this class is to put off studying the material until the day before the test. We will simply be covering too much material in too much detail for you to get away with cramming the day before an exam. It is essential that you study the material within a reasonable period of time after lecture. Trust me…you'll be glad you did!

- **Ask questions!** It is essential that you ask questions if you don’t understand a concept. This is also important in an online setting. The longer you are confused about a given topic, the harder it may be for you to eventually understand it. In addition, your confusion could impede your understanding of related topics. Questions can be asked by email, stopping by my office, or through virtual office hours.

- **Read the book!** Make sure you read the appropriate chapter(s) either before or soon after you go over a lecture on a given topic. The descriptions, tables, figures, and diagrams of concepts in the book will be most helpful in helping you learn the material.

- **Use the review sheets!** It is my custom to hand out fairly detailed review sheets about 1 week before an exam. I have found that if students treat the review sheet like a mock-exam (i.e., they quiz themselves using the review sheet), they perform much better on exams.
### TENTATIVE LECTURE SCHEDULE*

<table>
<thead>
<tr>
<th>WEEK/MODULE #</th>
<th>WEEK OF</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
<th>Objectives Met</th>
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<tr>
<td>1</td>
<td>8/12</td>
<td>Course Introduction</td>
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<td>8/19</td>
<td>Introduction to Human A &amp; P</td>
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<td>1, 2</td>
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<td>3</td>
<td>8/26</td>
<td>Chemical Basis of Life</td>
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<td>4</td>
<td>9/02</td>
<td>Cells</td>
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<td>5</td>
<td>9/9</td>
<td>EXAM 1 (Chap 1-3)</td>
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<td>1, 2</td>
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<td>9/16</td>
<td>Cellular Metabolism</td>
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<td>7</td>
<td>9/23</td>
<td>Tissues</td>
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<td>Skin and the Integumentary System</td>
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<td>10/07</td>
<td>EXAM 2 (Chap 4-6)</td>
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<td>The Skeletal System</td>
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<td>Muscular System</td>
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<td>Nervous System II</td>
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<td>16</td>
<td>12/2</td>
<td>FINAL EXAM (Chap 10-11)</td>
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*lecture and exam schedules are subject to change

### IMPORTANT DATES TO REMEMBER:
- August 19: Last Day to Add/Drop
- September 2: Labor Day Holiday
- September 4: Engagement Reports Due
- September 30: Midterm Grades Due
- October 3: Last Day to Withdraw with a “W”
- November 27-29: Thanksgiving Holiday
- December 2: Last Day of Classes