Welcome to Human Anatomy & Physiology!

BIO 2050  Section LD13
Fall 2016

General Information
Instructor: Dr. Mark Hubley, Professor of Biological Sciences
Office: Chesapeake Hall 100
Office phone: 301-546-0422
Dept. phone: 301-546-0420
E-mail: mhubley@pgcc.edu
Web sites: http://academic.pgcc.edu/~mhubley
http://academic.pgcc.edu/AandP

Office hours: Refer to my web site for current office hours.
Course coordinator: Dr. Christine Morin (morincp@pgcc.edu)

Weekly Class Schedule
Lecture  TTH  2:00pm-3:15pm  CH-109
Laboratory TTH  12:30pm-1:45pm  CH-209

Course Description
Human A&P I is a study of the structures and functions of the human body with emphasis on cells, transport, tissues, and integumentary, skeletal, nervous, and muscular systems.

There are two prerequisites for BIO 2050: (1) BIO 1010 and (2) math proficiency of DVM 007 completed or the appropriate score on the math placement test. I expect students in BIO 2050 to have a basic understanding of biological principles, as appropriate for someone who has successfully passed BIO 1010. You will find BIO 2050 particularly difficult if you do not have a basic understanding of general biological principles. Also, you will be expected to do math in this class!

At Prince George’s Community College, for all credit courses, students are expected to spend a minimum of 37.5 combined hours of instructional time and related coursework time per credit hour. This course is a 4 credit course. This course achieves the minimum of 150 hours of instructional time by requiring 75 hours of instructional time and 75 hours of student work outside of instructional time.

Course Learning Outcomes
There are three primary learning outcomes associated with this class:

1. Identify relationships between structure and function that exist within the body systems studied in this course.

2. Advance the student’s ability to understand mechanisms for maintaining homeostasis

3. Advance the student’s ability to understand how anatomical structures fit into the hierarchy of anatomical organization (e.g., cellular level or organ level).
Textbook and Other Course Materials
McKinley, O’Loughlin, and Bidle. 2016. Anatomy & Physiology: An Integrated Approach, 2nd Ed. McGraw-Hill. This is the book upon which I have based the course objectives and my lectures. Feel free to use another text (or none at all). If you have questions, see me.


Grading Policy
Your grade will be determined by your performance on the following assignments:

- Four lecture exams 100 points each
- Four laboratory exams 100 points each
- Final lecture exam 100 points
- Total points 900 points

Final letter grades will be assigned according to the following scale:
- A 810 points or higher
- B 720-809 points
- C 630-719 points
- D 540-629 points
- F less than 540 points

I may give a quiz at any time during a lecture or lab without prior notice. Each correct answer on a quiz will be worth ½ point of additional credit. **I will not give any make up quizzes!**

Lecture exams will be given in class. I will announce specific dates for each lecture exam as I cover the material for each exam. Approximate time frames can be discerned from the “Lecture and Exam Schedule,” which appears on the last page of this syllabus. Make-up exams will not be given unless extreme circumstances arise (e.g., hospitalization) and documentation is provided to me. If you do miss an exam, then contact me as soon as possible to discuss the possibility (no guarantee!) of a make-up exam.

Phones/smart devices: If I see a phone or any “smart” device in your possession while you are taking an exam in the lecture or the laboratory, I will consider that a violation of the college’s Code of Academic Integrity (see next page).

Attendance Policy
I expect students to attend all class meetings, and I will keep a record of attendance at lectures and labs.

Classroom Etiquette
I expect you to be on-time for all class meetings and to remain in class until I dismiss the class. If you must enter or exit the classroom while class is in session, then please do so discreetly. *Pagers and cell phones should be silenced during class!*
Disability Support Services
Students requesting academic accommodations are required to contact the Disability Support Services Office (B-124) or call 301-546-0122 to establish eligibility for services and accommodations. Students with documented disabilities should discuss the matter privately with their instructors at the beginning of the semester and provide a copy of their Student/Faculty Accommodation Form.

Code of Conduct
The Prince George's Community College Code of Conduct defines the rights and responsibilities of students and establishes a system of procedures for dealing with students charged with violations of the code and other rules and regulations of the college. A student enrolling in the college assumes an obligation to conduct himself/herself in a manner compatible with the college's function as an educational institution. Refer to the 2015-2016 Student Handbook, beginning on page 104, for a complete explanation of the code of conduct, including the Code of Academic Integrity and the procedure for dealing with disruptive student behavior.

Code of Academic Integrity
The college is an institution of higher learning that holds academic integrity as its highest principle. In the pursuit of knowledge, the college community expects that all students, faculty, and staff will share responsibility for adhering to the values of honesty and unquestionable integrity. To support a community committed to academic achievement and scholarship, the Code of Academic Integrity advances the principle of honest representation in the work that is produced by students seeking to engage fully in the learning process. The complete text of the Code of Academic Integrity is in the 2015-2016 Student Handbook (pages 115-117) and posted on the college's website.

College Resources and Services
Student Assessment Services (Testing Center)
Bladen Wing, Room 100 301-546-0090
http://academic.pgcc.edu/sas/index.html
Check the web site for hours, policies, and procedures.

Tutoring Center
Bladen Wing, Room 107 301-546-0748
http://www.pgcc.edu/prospective/academicResources/tutoringWriting.aspx
If you have the feeling that something is missing from your studies, the Tutoring Center can help you put the pieces of the puzzle together with free one-on-one or group tutoring.

Library
Accokeek Hall 301-546-0476
http://www-old.pgcc.edu/library/index.htm
The Learning Resources Division provides a range of library and media services. Refer to the web site for hours and more information about the services.

Delayed College Openings
When the college announces a delayed opening, all classes with at least 45 minutes of class time remaining at the time of opening will be held. For example, in the event of a 10:00 AM opening, a 9:30-10:45 AM class will be held. This procedure applies to all credit classes.

Laboratory
Information pertaining specifically to the laboratory will be distributed in the laboratory.
Final Exam
A portion of the required final exam in this course will be comprehensive. The comprehensive portion will account for at least 30% of the points, and the remainder of the points will be based on the last unit covered in the class. The comprehensive questions will assess your knowledge of the material you should have learned throughout the semester. The goals of the comprehensive portion of the exam are to encourage you to (1) review information you learned throughout the semester, and (2) think critically about relationships between concepts you learned throughout the semester.

The comprehensive portion of the exam will contain questions that fall into two categories:

1. **Recall questions** will assess your ability to remember basic facts learned throughout the semester. The following question is an example of a recall question:

   What is the main chemical ingredient of a plasma membrane’s lipid bilayer?
   a. cholesterol
   b. glycoprotein
   c. phospholipid
   d. lactic acid
   e. glucose

2. **Synthesis questions** will assess your ability to think critically and link concepts you learned throughout the semester. The following question is an example of a synthesis question:

   During the process of excitation-contraction coupling, there is net movement of calcium ions from the lumen of the sarcoplasmic reticulum into the myofibrils. This movement of calcium ions is an example of
   a. osmosis.
   b. simple diffusion.
   c. active transport.
   d. endocytosis.
   e. facilitated diffusion.

I will provide you with more information about the final exam, including dates and times, as the semester comes to a close. By the way, the answer to the recall question shown above is “c. phospholipid,” and the answer to the synthesis question is “e. facilitated diffusion.”
Lecture and Exam Schedule

Here is a tentative schedule for Fall 2016. Actual dates may be adjusted during the semester. Chapter numbers from your text (McKinley, 2016) are given in parentheses.

Week of 8/29  The Sciences of Anatomy and Physiology (1)
Week of 9/5  Biology of the Cell (4)

Week of 9/12  Exam I: Chapters 1 and 4
Week of 9/12  Integumentary System (6)
Week of 9/19  Skeletal System: Bone Structure and Function (7)
Week of 9/26  Skeletal System: Articulations (9)

Week of 10/3  Exam II: Chapters 6, 7, and 9
Week of 10/3  Nervous System: Nervous Tissue (12)
Week of 10/10  Nervous System: Nervous Tissue (12)
Week of 10/17  Nervous System: Nervous Tissue (12)

Week of 10/24  Exam III: Chapters 12 and 14
Week of 10/24  Nervous System: Brain and Cranial Nerves (13)
Week of 10/31  Nervous System: Autonomic Nervous System (15)
Week of 11/7  Nervous System: Autonomic Nervous System (15)

Week of 11/14  Exam IV: Chapters 13 and 15
Week of 11/14  Muscle Tissue (10)
Week of 11/21  Muscle Tissue (10)
Week of 11/28  Muscle Tissue (10)
Week of 12/5  Muscle Tissue (10)

Week of 12/12  Final Exams

Other Important Dates

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<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Labor Day holiday, college closed</td>
<td>Saturday 9/3 through Monday 9/5</td>
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<tr>
<td>College Enrichment Day, no classes</td>
<td>Tuesday, 10/25</td>
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<tr>
<td>Last day to withdraw from class*</td>
<td>Friday 11/18</td>
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<tr>
<td>Thanksgiving holiday, no classes</td>
<td>Wednesday 11/23 to Sunday 11/27</td>
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<td>Last day of regular classes</td>
<td>Sunday 12/11</td>
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<tr>
<td>Final exam week</td>
<td>Monday 12/2 to Sunday 12/18</td>
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*If you are considering withdrawing from this course, your withdrawal may negatively affect your financial aid status and academic standing. Please speak with me before making a final decision on withdrawing from the course. I may be able to offer help or direct you to appropriate assistance.