ANP140: Introduction to Anatomy and Physiology II
Carroll University
Summer 2017

Professor: Jodie Rady, MS, MBA   Office: Main Hall 207
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Office Hours: Monday, Wednesday & Friday 11am – 11:30am or by appointment

Course Description:
This is the second part of a general course presenting the unifying concepts of Anatomy and Physiology critical to a basic understanding of the human body as a structural and functional unit. This course emphasizes the mechanisms that underlie the normal functions of cells, tissues, organs, and organ systems. The objectives of this course are for students to learn the anatomy and physiology of the cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems.

Prerequisites: ANP130 is strongly recommended, but not required.

Student Learning Objectives:
After successful completion of this course, students should be able to:
1. Recognize and use anatomical nomenclature.
2. Identify anatomical features of the cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems.
3. Explain the mechanisms underlying normal functions of tissues, organs, and organ systems and recognize the interconnectedness of all organ systems.
4. Be able to apply knowledge of anatomy and physiology to real-world experiences (drug therapy, normal vs. disease state, etc).
5. Value the importance of learning about the human body for human health.
6. Develop study skills and habits (continuous practice, self-testing) that will be useful in future endeavors.

Required Course Materials:

Optional Course Materials:
- Connect Plus Access Card: for Anatomy & Physiology Saladin 7th edition (typically included with purchase of textbook) optional, not required. If you have an access card from Spring or Summer ANP130, you should be able to use it for this class as well.

Grading:
Grading will be based on strict adherence to the following scale and will be based on performance on the following assessments of student learning:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
<th>Assessment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>92-100 %</td>
<td>A</td>
<td>3 Lecture Exams (100 pts each)</td>
<td>300 points</td>
</tr>
<tr>
<td>89-91.9 %</td>
<td>A/B</td>
<td>1 Comprehensive Final Exam</td>
<td>200 points</td>
</tr>
<tr>
<td>82-88.9 %</td>
<td>B</td>
<td>6 Quizzes (20 pts each)</td>
<td>120 points</td>
</tr>
<tr>
<td>78-81.9 %</td>
<td>B/C</td>
<td>5 In-class Questions (3 pts each)</td>
<td>15 points</td>
</tr>
<tr>
<td>70-77.9 %</td>
<td>C</td>
<td>2 Lab Practicals (100 pts each)</td>
<td>200 points</td>
</tr>
</tbody>
</table>
60-69.9 % = D
Below 60 % = F

4 Lab Quizzes (20 pts each) = 80 points
TOTAL = 915 points
Lecture Quizzes and Exams
Exams and quizzes will be given as specified on the course schedule or as announced in class. The content of all exams and quizzes will be based on the specific learning objectives that will be provided for each section of the course. The final exam will be comprehensive, covering all material presented in the course. No makeup quizzes and exams will be given unless the student makes prior arrangements with the instructor OR a written medical excuse is provided. The nature of makeup quizzes and exams will be at the discretion of the instructor.

In-class Questions
In-class questions will be handed out during the lecture period and will be completed in groups during that class period. If you are absent the day an in-class question is given, you will not be allowed to make-up the question unless you have made prior arrangements with your instructor OR a written medical excuse is provided. In-class questions will be assessed based on accuracy and completeness.

There are NO extra credit assignments in this course.

Lab
*See the Summer 2017 ANP140 Lab Syllabus for detailed information about Lab. Your laboratory instructor will review this information with you on the first day of lab.

Student Responsibility
Be courteous and respectful towards other students and the instructor during class. Use of cell phones, mp3 players, or other electronics is NOT permitted at any time and must be turned off for the entire class period. Use of these devices or inappropriate discussion, behavior, or distractions will not be tolerated.

**Suggestions for how to succeed in ANP140
1. Always attend class.
2. Read the textbook before class, take notes based on the learning objectives, and jot additional notes or questions to follow up on in class. Read the textbook after class to clarify notes and concepts.
3. Expect to spend several hours studying outside of class regardless whether or not you have a quiz or exam.
4. Don't wait until the night before a quiz or exam to study. There is far too much material in this course to cram in one night!
5. ASK QUESTIONS!! If you don't understand something, ask questions before/during/after class or attend office hours. Believe it or not, the instructors are here to help and we are not trying to trick you!

***Effective Ways to Spend Your Study Time:
First, spend some time reviewing your notes using the learning objectives to make a concise study guide in your own words.

Don't rely on memorization, try to understand the material – there is a profound difference! Evaluation questions require more than just regurgitation of facts.

After you feel like you are done studying, the only way to know for sure that you are ready to answer test questions, is to be able to answer practice questions on your own without looking at your notes! Like anything (playing sports, playing a musical instrument, etc.), you must practice before a
competition/performance/exam. Use the resources available to you to help you determine what you don’t know:

- Complete the practice problems in your textbook.
- Complete the learning objectives again without using your notes.
- Make up your own questions and quizzes and test each other.
- Take the online tests that come free with your textbook (http://www.mhhe.com/saladin7).
- Always review your quizzes and in-class questions prior to exams.

Calculating Your Grade
Current Grade
Your lab and lecture grades will be posted and available to you throughout the semester. Because your final grade is dependent upon the combination of lab and lecture, the following equation is how you can determine your current status:

\[
\frac{\text{(Points earned in lecture + Points earned in lab)}}{\text{(Current possible lecture points + Current possible lab points)}} \times 100 = \text{Current \%}
\]

Points to Achieve Desired Grade
When deciding whether or not to stay in the course, be honest with yourself! If you have been earning Ds and Fs, it is not likely you will get As on everything else to the end of the semester.

1. First calculate grade goal: Grade desired \times total class points
   So if you need a 78%: 0.78 \times 915 = 714 pts required for a B/C

2. (Points required for desired grade – total points earned so far)
   From the example above, if you have 300 pts, you would need 414 pts to make a B/C

3. Calculate the remaining available points
   915 - (Current possible lecture points + Current possible lab points) = Available Points Remaining

4. Points needed ÷ points available
   So, if there are 475 pts left: 415/475 = 0.87
   In this example, that would mean that an average of 87% would be required for all remaining grades to achieve a B/C.

If the remaining available points are close to or less than what you need, you should consider dropping the course.

Core Professional Behaviors
The following behavior is expected of ALL students in the course:

1. Personal Responsibility
   - Student attends all lecture and laboratory sessions, is punctual, and completes assignments and tasks on time.

2. Honesty and Integrity
   - Student is honest in word and action, is accurate in reporting all information, and maintains a positive learning environment.
• Student follows the University policies regarding academic integrity (i.e., cheating, removal of an exam, passing exam information to peers, etc.)

3. Respect
• Student gives full attention to lecturer, does not talk in class, and treats others with dignity.
• Student refrains from the use of technology during class (cell phones, headphones, laptops, iPods, iPads, etc.)

4. Teachability/Adaptability
• Student takes responsibility for own actions and understands consequences of inappropriate actions.
• Student behavior is appropriate during times of high stress.

5. Communication
• Student properly formats emails to instructors and with respect (i.e., appropriate salutation, complete sentences, proper grammar, signed with student name and section, etc.). *Your instructor reserves the right to not respond to emails that do not meet these criteria.*
• Student refrains from spreading rumors regarding instructors and course assessments.
• Student follows appropriate procedures for discussion of course issues and concerns:
   1st → Student contacts his/her lecture or laboratory instructor.
   2nd → Student communicates concerns to the course coordinator (Dr. Hanson) (Should the need arise, the coordinator will direct the student to the Department Chair)

6. Relationship with Peers
• Student participates in class and small group discussions.
• Student demonstrates ability to function within a group (i.e. student respects the opinions of others and can work collaboratively to solve problems).

Consequences if a student does not meet the above expectations:
*At the discretion of the Instructor:
  o Removal from class (e.g. use of an electronic device in class)
  o A deduction in course points
  o Full letter grade deduction for multiple offenses

Statement on Academic Integrity:
The Carroll University Academic Integrity Policy is located on pages 30-34 in your student handbook (http://www.carrollu.edu/campuslife/pdfs/handbook.pdf). Please familiarize yourself with it. *If a student is found in violation of the Carroll University Academic Integrity Policy, the instructor reserves the right to fail the student on the assignment/exam or even FAIL the student in the course.*
Some examples of violations include:
  a) Looking at another student’s quiz or exam for the answers;
  b) Using a “cheat sheet” that contains information during a quiz or exam;
  c) Failure to return or removal of an exam from the classroom;
  d) Copying answers to questions directly from lecture notes/textbook/ another student;
  e) Discussing the content of a quiz or exam with a student who has not yet taken the quiz or exam.

Accommodations for Disabilities:
Students with documented disabilities that may need accommodations, or any student considering obtaining documentation should contact Martha Bledsoe at the Walter Young Center no later than the first week of class. She can be reached by calling 524-7335 or contacting her via email at
mbledsoe@carrollu.edu. The instructor will make the appropriate accommodations once notification has been received.

### Tentative Course Schedule:

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>LECTURE</th>
<th>READING</th>
<th>LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7/5</td>
<td>Syllabus Blood</td>
<td>Ch. 18</td>
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<tr>
<td></td>
<td>7/7</td>
<td>Blood</td>
<td>Ch. 18</td>
<td></td>
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<tr>
<td>2</td>
<td>7/10</td>
<td>Heart</td>
<td>Ch. 19</td>
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<tr>
<td></td>
<td>7/12</td>
<td>Heart</td>
<td>Ch. 19</td>
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<tr>
<td></td>
<td>7/14</td>
<td>Quiz 1 (Blood - Heart) Vessels</td>
<td>Ch. 20</td>
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<tr>
<td>3</td>
<td>7/17</td>
<td>Vessels</td>
<td>Ch. 20</td>
<td>Lab 3</td>
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<tr>
<td></td>
<td>7/19</td>
<td>Lymphatic</td>
<td>Ch. 21</td>
<td></td>
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<tr>
<td></td>
<td>7/21</td>
<td>Quiz 2 (Heart - Vessels) Immune</td>
<td>Ch. 21</td>
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<tr>
<td>4</td>
<td>7/24</td>
<td>EXAM 1 Respiratory</td>
<td>Ch. 22</td>
<td>Lab 4 &amp; 5</td>
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<tr>
<td></td>
<td>7/26</td>
<td>Respiratory</td>
<td>Ch. 22</td>
<td></td>
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<tr>
<td></td>
<td>7/28</td>
<td>Quiz 3 (Immune - Respiratory) Digestive</td>
<td>Ch. 25</td>
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<tr>
<td>5</td>
<td>7/31</td>
<td>Digestive</td>
<td>Ch. 25</td>
<td>Lab Practical 1 Lab 6 &amp; 7</td>
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<td></td>
<td>8/2</td>
<td>Digestive Nutrition/Metabolism</td>
<td>Ch. 25 Ch. 26</td>
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<td></td>
<td>8/4</td>
<td>Quiz 4 (Respiratory control - Digestive) Nutrition/Metabolism</td>
<td>Ch. 26</td>
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<tr>
<td>6</td>
<td>8/7</td>
<td>EXAM2 (Immune - Nutrition/Metabolism) Urinary</td>
<td>Ch. 23</td>
<td>Lab 8</td>
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<td></td>
<td>8/9</td>
<td>Urinary</td>
<td>Ch. 23</td>
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<td></td>
<td>8/11</td>
<td>Quiz 5 (Urinary) Fluid, Electrolyte, Acid-Base Balance</td>
<td>Ch. 24</td>
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<tr>
<td>7</td>
<td>8/14</td>
<td>Male Reproduction</td>
<td>Ch. 27</td>
<td>Lab 9</td>
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<td></td>
<td>8/16</td>
<td>Quiz 6 (F/E/A-B to Male Repro) Female Reproduction</td>
<td>Ch. 28</td>
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<td></td>
<td>8/18</td>
<td>EXAM 3 (Urinary - Development) Female Reproduction</td>
<td>Ch. 28</td>
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<tr>
<td></td>
<td>8/21</td>
<td>Female Reproduction Development</td>
<td>Ch. 29</td>
<td>Lab Practical 2</td>
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<tr>
<td></td>
<td>8/23</td>
<td>FINAL EXAM (Blood - Development)</td>
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The instructor and Carroll University reserve the right to modify, amend, or change the syllabus (course requirements, grading policy, schedule, etc.) as student progress, the curriculum and/or the program require(s).