

**Human Anatomy and Physiology Lecture Syllabus**  
**Biology 231-001**  
**Summer 2018**

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Emails will be answered between 8:00-5:00 on weekdays. ***Please include your name and class in the subject line*** of your email. Make sure you email me from your WKU student email account **ONLY**.

**Meeting Times:** MTWRF 10:30 – 12:10

**Building and Room:** Snell Hall, Room 1102

**Office Hours:** 10:00 - 10:30 pm

**Pre-requisites:** Biology 131

**Required Materials:**

**For lecture in Biol 231:** Saladin, Kenneth S. 2018. Anatomy & Physiology: The unity of form and function. 8<sup>th</sup> edition. McGraw-Hill.

**For lab: For lab: Martin, Terry, Laboratory Manual for Human Anatomy and Physiology, 3rd edition. McGraw Hill ISBN: 978-259-29885-3. 2013. Anatomy & Physiology: An integrative approach. Main version. McGraw-Hill. These materials will include A&P Revealed and Ph.I.L.S. simulation modeling online.**

**READ BEFORE PURCHASING TEXT/MATERIALS:**

The Biology Department at WKU has worked over the past year to develop a new model for textbook adoption. In order to save you money, maximize your effective use of your textbook, increase learning and evaluate the best strategies of teaching you difficult topics, we've entered into a partnership with McGraw-Hill publishers. By enrolling in this course, you agree to purchase the digital materials associated with this course. These materials include 12-month or 24-month (depending on the course) access to Connect, LearnSmart or LabSmart where appropriate, a downloadable e-copy of the textbook which is yours to keep, and the option to print a gray-scale copy of your textbook at greatly reduced cost. The cost per text, with all online materials, is \$59, approximately 35% to 50% of the cost of purchasing a new textbook, even before purchasing online materials. If you prefer a printed copy, it will be an additional \$25, but you must order the hardcopy through the WKU Store during the first week of class. In order to make these savings available to you, WKU must institutionalize the purchasing process. As a result, about two weeks into the semester, you will be billed the cost of the materials for the course. The nice thing about this is that you will have access to all the course materials from day one, simply through the registration process and access to Bb. If you choose to drop the course during the regular add-drop period, you won't be charged for the book. You should note that for this course, you **WILL** be charged for the digital materials. Do **NOT** buy a copy of the book from online or local vendors. **ONLY** the digital format will be referenced in this course. If you are enrolling in a two-semester course sequence (Biol 131-231 or Biol 120-122), you have full access to the digital materials online for 24 months, plenty of time to take both courses and even take a semester off in between without paying twice for the materials.

We anticipate that this approach to teaching will result in better learning and a more interesting classroom experience for you, and less stress on your spine!

**Goals:** The general goals of this course are:

*Students will have an understanding of:*

1. The scientific method and scientific processes.
2. The relationship between form and function in the human body.
3. The mechanisms for maintenance of homeostasis in the human body.
4. The hierarchy of organization of the human body.
5. The use of models to demonstrate anatomy and physiology.
6. How human anatomy and physiology is applied in real-life settings.

**Objectives:**

*Students will be able to:*

1. Describe the form and function of basic cells, tissues and organs in the human body.
2. Explain the anatomy and physiology of major systems such as the nervous system, circulatory system, urinary system, endocrine system, etc.
3. Summarize cellular events that maintain homeostasis in the human body.
4. Assess the interaction of tissues, organs and organ systems with others in the human body.
5. Classify humans among other living organisms.
6. Differentiate between mitosis and meiosis, and explain how DNA processes affect phenotypes.
7. Give examples of the cell's response to stress and relate these to human disease.
8. Correlate different types of vessels with fluid mechanics and capillary dynamics.
9. Examine examples of mechanisms of homeostasis such as acid-base reactions.
10. Discuss the components and the functions of the lymphatic system.
11. Compare and contrast the mechanisms, structures and organs involved in neuroendocrine physiology.
12. Summarize the systems, organs, and tissues involved in stress reactions and their responses.

**Grading:** Your lecture average will be calculated and combined with your laboratory average to determine your **overall** grade for the course. The lecture average will represent 60% of your overall course grade (your lecture average will constitute the remaining 40%). This means you will **not** receive a separate grade for the lab at the end of the semester because your lab grade will be included as part of your **overall grade** shown on the lecture side of the course.

You can calculate your overall grade by:

- Taking your lab average and multiplying it by .4
- Taking your lecture average and multiplying it by .6
- Adding these 2 numbers together

**Grading Scale for Lecture/Lab Combination:**

A= 90-100%

B=80-89%

C=70-79%

D=60-69%

F= Below 60%

***\*\*Remember: Grades are not given. The Instructors simply record the grade that you have earned.***

## Assessment Table:

Assessment	Points Per Assignment	Total Number of Points
Homework	<ul style="list-style-type: none"><li>Varies per assignment (5-20 points each)</li><li>Nine assignments</li></ul>	100 points
Tests	Three, 100 points each	300 points
Final Exam	<ul style="list-style-type: none"><li>100 points</li></ul>	100 points
Total Number of Points Possible		500 points possible

## Assessment Descriptions:

**Homework:** Homework assignments are designed to help you master the topics covered in class and the reading material. Homework assignments are LearnSmart assignments generated by the McGraw-Hill Company. Learnsmart is designed to quiz you over topics that have been selected for you to study and to reinforce what you read in the e-textbook. Learnsmart is an adaptive learning program that will help you master content. Time for each assignment will vary depending on your base knowledge level of a specific topic. Studies on Learnsmart have shown increased student performance when this program is used. However, it should not be used as the sole method of study for exams.

Homework assignments are open for an extended length of time (approximately 2 weeks) to allow you to work through the reading with comprehension. Since there is more than ample time to complete these assignments, there will be **no extensions on due dates for homework**! DO NOT ASK! The answer is no. Do not wait until the last minute to try to complete these assignments. The point of the assignments is to help you learn; rushing through assignments to earn points does not meet this goal. Start early, work on them often and meet the deadlines.

**Tests:** Tests will be administered in class. Questions may include multiple choice, true false, short answer, matching, labeling or essay questions. Tests may be administered electronically, using answer sheets, or scantrons. Make up exams will ONLY be given in EXTREME circumstances due to university excused absences.

**General Policies:** General policies are simple and based on respect. This involves:

- Attending class on time
- Remaining in the class the entire period until dismissed. Leaving during class for a drink or restroom break is not acceptable, unless there is an emergency
- Paying attention in class and taking notes
- Turning off cell phones and beepers and *using your laptops for note-taking only*
- No excessive talking or inappropriate behavior (reading newspapers, making rude remarks, holding private conversations, etc.)

**Academic Integrity and Misconduct:** Don't cheat. Cheating is not only disrespectful (violating general policies) but it is also dishonest. Cheating on quizzes, exams or assignments will result in a failing grade for the course and could result in expulsion from the university. It is not worth it. Do your own work.

**Attendance:** Experience has shown that poor attendance in class results in poor grades. You must come to class to maximize all of the resources available to you to learn course material. If you are not in class, you will not know which information is stressed.

**Deadlines:** The University designated deadlines for withdrawal from a class or the university are firm. Credit for the course will not be changed to an audit after the university-designated time due to a poor grade in the class. Please make note of these dates. Dropping the class after the university deadline requires a written explanation by you and signatures from the Instructor, the department head and the dean of Ogden College. These exceptions are only granted in extreme circumstances. Pay close attention to deadlines.

These deadlines can be found at the following location:

[http://www.wku.edu/registrar/documents/regguide\\_fall.pdf](http://www.wku.edu/registrar/documents/regguide_fall.pdf)

### **End of Semester Policies:**

- There is no “extra credit” for the course. Do NOT ASK. Study hard, do well on the tests and quizzes.
- Grades are not completed until final grades are posted in TOPNET, so please do not email and ask if grades are finished.
- The grading scale is posted on this syllabus. If you have an 89.45876, then you are guaranteed at least a B in the course. If grades are not posted in TOPNET, then they are not complete (see above bullet), so please do not email and ask if there is “rounding up”. You will know if any adjustments were made when grades are posted on TOPNET. Emails asking about “rounding up” or about what final grades will be until after they are posted in TOPNET will be ignored.
- There is absolutely no “making up” missed homework assignments. Get it done when it is due.

### **Blackboard Entry**

www.wku.edu (choose "Blackboard" from the pull down menu)

### **Family Educational Rights and Privacy Act:**

Due to the Family Educational Rights and Privacy Act (FERPA), if you are 18 years old or older, I cannot discuss your grades, etc. with your parents.

### **Student Disability Services**

In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services in DUC A-200 of the Student Success Center in Downing University Center. Please DO NOT request accommodations directly from the professor without a letter of accommodation from the Office for Student Disability Services.