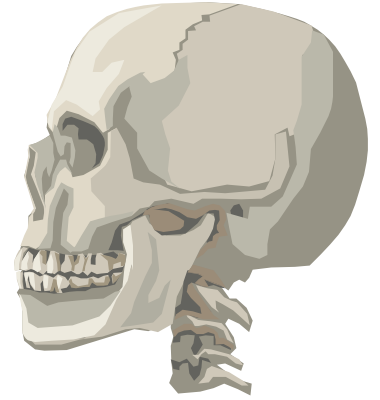


# Anatomy & Physiology



**Course Title:** Anatomy and Physiology

**Instructor:** DeAna Herring

**Office Location:** B-215

**Office Phone:** (843)881-8200

**Web site:** [www.wandohigh.com/teach/herring](http://www.wandohigh.com/teach/herring)

**Course Text and Materials:** Honors: Human Anatomy & Physiology -- Elaine N. Marieb

CP-B: Essentials of Anatomy & Physiology – Elaine N. Marieb

2" binder

Colored Pencils

## Course Description:

This course introduces students to human anatomy and physiology with applications to the health sciences. Students learn about the relationships between structure and function as well as the biochemical and cellular aspects of human physiology. Instructive strategies include inquiry-based laboratory experiences, independent study and research on topics of student interest, speakers, and field experiences in medical settings and institutions of higher education.

This course is one semester, 90 days, long. Over the span of that time all body systems will be covered, anatomically and physiologically. The prerequisites for this course include; Physical Science, Biology 1 or Biology part 1 and 2. It is highly recommended that a grade of 85 or higher be scored in Biology. It is also highly recommended that Chemistry be completed prior to taking the course.

## Course Outline:

1. Introduction to Anatomy/Physiology
2. Review: Organic Chemistry/The Cell/Energy
3. Water and Life/Transport
4. Skin and Tissues
5. Skeletal System
6. Muscular System
7. Nervous System
8. Cardiovascular System
9. Respiratory System
10. Digestive System
11. Urinary System
12. Lymphatics/Endocrine System
13. Reproductive System

## Course Credit:

You may choose to receive honors credit for this course. If this is your choice, you will be required to complete specific requirements above and beyond those required for CP credit. These additional requirements will include the following:

1. Using the advanced honors/AP text
2. Three literature searches and reports per quarter
3. One project on the book, Surviving the Extremes
4. Expanded portfolios for each body system (due the day of each test – **NO EXCEPTIONS**)
5. Comprehensive physiology discussion questions on all tests

**Academic Policy:**

The grading scale is as follows:

A = 100-93

B = 92-85

C = 84-77

D = 76-70

F = 69-0

Tests = 60%

Daily Class work = 20%

Homework/Quizzes = 20%

Quarter Tests = 20% of 9-weeks average

Tests are given at the end of a unit of study, which is completed every 1-2 weeks. There is usually a mix of multiple choice, short answer, interpreting data, discussion, and true false questions. Nearly all test questions are asked before the test in class discussions and lecture. A small portion of the questions may come from the reading assignments, some of which may not be discussed in class, so it is also important to read the assigned pages of the text or supplementary material. I test for comprehension and understanding. Memorization is a beginning but you must understand how the things you may memorize are related to major concepts. You need to ask questions for clarification when something is difficult or you don't understand. This may mean a period of adjustment for some of you who have not had this experience prior to this class.

- In this class we will use the "Maniken in Clay" models to visualize the human body. You will be required to work on your manikin in and outside of class.
- Daily work is assigned to prepare you for the test. Your effort on each assignment will be reflected in your test grade.  
*Poor test grades reflect poor preparation by the student.*

**Homework:**

Everyone is expected to read at least 3 pages in the assigned chapter **daily**. You should review the notes and work on your system portfolio daily. If you wait until the day before the test to read the chapter, study the notes, and do the vocabulary, you will run out of time and do poorly on the test.

**Make-up Work:**

If you miss the day of the test, you will take a make-up test upon your return. The format of this test may be short answer items and 4-5 discussion questions. You will be given time to get the notes and ask questions before the test. It is the responsibility of the student to initiate make-up work.

**Web Site:**

I have set up a web site for this class. The address is [www.wandohigh.com/teach/herring](http://www.wandohigh.com/teach/herring). All notes, handouts, etc. will be posted on the site. You will be expected to visit this site on a daily basis. If you are absent, you will need to get notes from the site or a friend. You will still be required to take notes in class daily.

**Portfolio Requirement: honors only**

A student generated human body system portfolio is due the day of each unit test and will count as two quiz grades. This is the only assignment that will not be taken late. Please make arrangements prior to an absence to turn in your work. **(NO EXCEPTIONS)**

**Book Requirement: Honors only**

You are required to purchase and read the book, Surviving the Extremes by Kenneth Kamler. Copies of the book are for sale in the school store for \$15.00. There are a few copies available in the media center for check out. I also have several copies for loan to free/reduced lunch students. You will read each chapter and complete a series of questions about the book. A report will be prepared and further instructions will be given.

- **Exemptions are as stated per CCSD policy.**

- **Assignments must be completed and handed in on time for maximum points. SYSTEM PORTFOLIOS MUST BE TURNED IN ON TIME AND WILL NOT BE TAKEN LATE. A missed deadline does not mean you do not have to turn in the assignment.**

#### **Instructional Philosophy and Procedures:**

- Turning in papers: all papers must be turned into the basket designed for this class's work. Do not allow another student to turn in your work and never hand work to me!!! Make sure it goes into the correct basket.
- Returning papers: most quizzes and daily work are graded in class. They may be returned the following day after the grade has been recorded. Tests are returned within a day or two for review of mistakes and corrections. The instructor keeps the test until the end of the quarter, when they will be returned to the student to use as a review and study guide in preparation for the quarter test. The tests are returned to the teacher at the end of the exam.
- Extra help: special arrangements are to be made with the teacher when extra help is needed. The students are encouraged to form "study buddy groups" to expand and share their intellectual resources.
- Passes: no student is allowed to leave my room during class without a signed pass. You will be given 3 passes for the semester. Use them wisely.
- Food in the classroom: food and drink are allowed; however, if trash is left on the floor or around your desk, no food will be allowed.
- Tardy procedure: I take attendance at the beginning of each class. You are tardy when the door is shut. You must then scan your ID with the pass machine downstairs for a readmit to class. If you are placed in ISS for the period because of excessive tardies, you will be responsible for completing the work done during that class period.

#### **Course Standards:**

The following standards will be covered in the course:

1. Standard B-1: The student will demonstrate an understanding of how scientific inquiry and technological design, including mathematical analysis, can be used appropriately to pose questions, seek answers, and develop solutions.
2. Standard B-2: The student will demonstrate an understanding of the structure and function of cells and their organelles.
3. Standard B-3: The student will demonstrate an understanding of the flow of energy within and between living systems.
4. Standard B-4: The student will demonstrate an understanding of the molecular basis of heredity.

#### **Behavioral Procedures:**

1. Everyone is expected to be seated getting prepared for class or reviewing when the late bell rings.
2. Mutual respect is required at all times.
  - a. Everyone's opinions and positive contributions to the class are valuable.
  - b. Proper classroom etiquette is required.
3. Everyone is expected to use a pencil, black and blue ink to take tests or take notes in notebook.
  - a. Notebooks and writing tools must be brought to class daily.
  - b. The textbook is brought unless the teacher indicates otherwise.

All Wando High School and CCSD policies will be followed.

1<sup>st</sup> offence: conference with the teacher (warning)

2<sup>nd</sup> offence: school detention

3<sup>rd</sup> offence: detention and parent contact

4<sup>th</sup> offence: referral to the administrator

I welcome parent and student e-mails at [deana\\_herring@charleston.k12.sc.us](mailto:deana_herring@charleston.k12.sc.us) and phone calls at 849-2830 ext. 23974.