



Anatomy/Physiology

Course Title: Anatomy/Physiology (Honors and CP-B)
Office Location: B-215
Office Hours: Tues. & Thurs. 7:30-8:15 a.m.
Office Phone: (843) 881-8200 ext. 23974

Instructor: Ms. DeAna Herring
Web: www.wandohigh.com/teach/herring

Course Text and Materials: Honors: *Human Anatomy & Physiology*-- Elaine N. Marieb
CP: *Essentials of Human Anatomy & Physiology*-- Elaine N. Marieb
2" Binder

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 1, Part 1 and Part 2. It is recommended that a grade of 85 or better be scored in Biology 1 or Biology 1, Part 1 and Part 2.

Course Outline:

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| I. Introduction to Anatomy Physiology | VII. Cardiovascular System |
| II. Review: Organic Chemistry/the Cell/Energy | VIII. Lymphatics, Immunity, and Disease |
| III. Water and Life | IX. Respiratory System |
| IV. Skin, Muscle and Bone | X. Digestive System and Nutrition |
| V. Nervous System and Special Senses | XI. Urinary System |
| VI. Endocrine System | XII. 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/presentation per quarter
4. expanded portfolio for each body system
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 work (Quizzes, Homework, etc.) 20%
Performance 20%
Quarter Tests: count 20% of the 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, and discussion questions. Nearly all test questions are asked before the test in class during discussion and lecture, so it is important that you pay close attention during class time. 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.

- A student generated **Body System Portfolio** is due the day of each unit test and will count as a homework grade for honors level and 10% of the test grade for CP-B level. This portfolio will grow over the semester and must be turned in as a completed portfolio at the exam.
- In this class we will use the Manikin in clay model 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 will be short answer items and 4-5 discussion questions. You will be given time to get the notes and ask questions before you take the test. It is the responsibility of the student to initiate makeup work.

Book Requirement: **Honors Only**

You are required to purchase the book, Surviving the Extremes by Kenneth Kamler. Copies of the book are for sale in the school store for \$15.00. Also, there are a few copies available in the media center for check out. 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.

Web Site:

I have set up a web site for this class. The address is 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.

- **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 ACCEPTED IF LATE. A missed deadline does not mean you do not have to turn in the assignment.**

Instructional Philosophy:

- Turning in papers: All papers must be turned into the basket designated 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 the day 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 Buddies Groups" to expand and share their intellectual resources.
- Passes: No student is allowed to leave my room during class without a signed pass and signing in the pass book by the door. You will be given 5 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. If you are tardy and the door is shut, you must see Mr. Jourdan in room B-208 for a pass. If you miss 45 minutes of class, you will be marked absent and will need a note for attendance.

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 valid.
 - 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 science notebook.
 - a. Notebooks and writing tools must be brought to class daily.
 - b. The textbook is brought unless the teacher indicates otherwise.

All Wando HS and CCSD policies will be followed.

1st offense – conference with the teacher (warning)

2nd offense – school detention

3rd offense – detention and parent contact

4th offense – referral to the administration

I welcome parent and student emails at deana_herring@charleston.k12.sc.us and phone calls at **849-2830 ext. 23974**.

Please come to our Open House

****Please print and return this page signed to your teacher****

Laboratory Procedures

Procedures

ALL ANATOMY/PHYSIOLOGY LAB DRAWINGS MUST BE DONE IN PENCIL.

Points will be deducted for the following:

(20) pts if the lab station is not cleaned up, materials not returned to their proper place, and stools not placed under the counter.

(20) pts if you are unprepared – this includes not in proper lab dress, not bringing the required materials (sometimes we use materials from home), asking a question that is covered in the procedure (you should have read through it previous to the lab), and not writing down the pre-lab instructions/agenda.

(20) pts for talking after I have asked for your attention. This can be a safety issue.

(20) pts for leaving your lab station to socialize with another group.

The following behaviors will get you removed from the lab and a possible 0.

Horsing around (throwing and squirting included)

Not following directions

Intentional abuse or misuse of supplies or equipment

Lab Dress is important to avoid accidents and to minimize the consequences of accidents that could happen. The following requirements make good practice and are required:

Closed toe shoes

No dangling necklaces or bracelets

Hair longer than shoulder length must be securely tied back

Spectacles or goggles when required

Clothes that are inexpensive

Contract:

I have read, had an opportunity to ask questions, understand, and agree to abide by the laboratory policies, procedures, and precautions outlined above.

Name

Date