



KENNEDY HIGH SCHOOL

COURSE SYLLABUS 2016-17



Course Description: Anatomy and Physiology (Course Number: QSS 211)

Human Anatomy and Physiology is a laboratory science course designed for students interested in careers in the medical field or is interested in learning more about how their bodies work. This covers the organization of the human body, as well as an in-depth look at the organ systems related to support, movement, integration, regulation, maintenance, development and reproduction of the human body. Laboratory activities, scientific method, and critical thinking skills are emphasized.

Name of Teacher: Emelina D. Emaas

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Teacher Phone Number: (916) 395-5090 X 506127



Textbooks

Title: Hole's Essentials of Human Anatomy and Physiology, by David Shier, Jackie Butler, and Ricki Lewis. Published by McGraw Hill 2006.

Textbook Website: www.mhhe.com/shieress8 (This website includes helpful animations, practical quizzes, and other activities and tutorials for each chapter of the book. **GO HERE OFTEN TO STUDY!**)



Required Materials

You are required to bring the entire materials daily that include: a standard size 3-ring binder with collegiate lined paper, pen, sharpened pencil, and eraser. All students will be required to wear protective eyewear during all dissections. You may also bring in an old T-shirt to wear over your school clothes to protect them from splashing fluids during dissection.



Assessment/Grading Policy

Grades will be assigned using letter grades that represent degrees of performance in these areas.

(100-90 = A; 89-80 = B; 79-70 = C; 69-60 = D; 59 and below = F)

- Individual assignments is complete and accurate = 20% of the total grade
- Group assignments includes group projects, labs and presentations = 15% of the total grade
- Daily Journal must be written in complete sentences = 30% of the total grade
- Weekly Quizzes/Chapter Tests/ Unit Exams = 35% of total grade



Course Outline (CCS)

Unit 1-Levels of Organization

- Chapter 1- Introduction to Human Anatomy
- Chapter 3- Cells
- Chapter 5- Tissues

Unit 2- Support and Movement

- Chapter 6- Skin and Integumentary System
- Chapter 7- Skeletal System
- Chapter 8- Muscular System

Unit 3- Integration and Coordination

- Chapter 9- Nervous System
- Chapter 11- Endocrine System

Unit 4- Transport

- Chapter 12-Blood
- Chapter 13- Cardiovascular System

Unit 5- Absorption and Excretion

- Chapter 15- Digestion and Nutrition
- Chapter 16- Respiratory System
- Chapter 17- Urinary System

Unit 6- The Human Cycle

- Chapter 19- Reproductive System
- Chapter 20-Pregnancy, Growth and Development



Course Objectives

General: The student will understand the science concepts/ideas that are addressed in California Content Standards in Anatomy and Physiology through a combination of lessons presented by way of reading, writing, direct instruction, hands-on/lab activities, videos, and internet research. This includes understanding of the coordinated structures and functions of organ systems, the understanding that internal environment of the human body remains relatively stable (homeostatic) despite changes in the outside environment.

Specific: After completing this course, the student should be able to:

- perform simple experiments demonstrating proper procedures and use of scientific apparatus.

- do hands-on activities to develop, strengthen and apply their technological, analytical and inquiry skills.
- demonstrate an understanding of the basic concepts of anatomy and physiology, and
- relate the concepts of anatomy and physiology to understand life situations.



Students' Academic Expectations

- Report on time in class with completed assignments
 - All assignments must be:**
 - done completely, neatly and turned in on time. Identify all your work with your name on the upper right hand corner of the page
 - typed written preferably; pencil is ok for homework but not essays or projects.
 - organized and in the correct order when you arrive for class. This must reflect your best work and make sure you follow the directions.
- Assignment is due within the first 5 minutes of class. Work turned in after school is considered late. Missed assignment/make-up work for excused absences maybe turned in within the week, however, will result in a penalty of 10% less credit out of the allotted total score.
- Incomplete assignments will result in loss of credits and a warning letter. Continuing this pattern may result in sending a letter to your parent.
- Plan to spend a productive time at home in completing your assignments. Keep a daily log of your assignments. Bring your log with you in class for teacher's initial.
- Call me, your teacher, if you have any questions about your work. I know you can be successful and I am ready to assist and help motivate you.
- ❖ **Periodically, there may be extra point credit opportunities. Extra credit does not replace assignments and will only be accepted from students who have completed all assigned work.**



Parent Expectations

- Make sure your student keeps regular study time at home and report to school on time.
- Supervise your student's work by monitoring assignment logs and work.
- Provide your student with appropriate materials and a good study/work environment.
- Provide your student with lots of **encouragement and support**

“If we hold on together, I know your dreams will never die. DREAM BIG, it’s free.”

