



Anatomy and Physiology Syllabus 2018-2019

Ms. Danielle Wildermuth

Room 329S

Office Hours:**

Wednesday/Friday: 8:48-10:21

Tuesday/Thursday: 8:48-10:21

**Available upon appointment

Contact Info:

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**more to come

Course Overview:

Anatomy and Physiology is the study of the form and function of the human body. The primary focus of this course will be to explore the human body visually, mentally and physically. This is an elective class. Our goal this year is to develop a thorough understanding of the human body and the organ systems that allow it to function in such a way that sustains life. In this course we will cover the hierarchy of body system organization, human DNA and cells, The 11 human body system which includes the integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, immune/lymphatic, endocrine, urinary and reproductive systems. We will explore these systems and learn how they work both by themselves and with others to sustain life for humans,

Having a basic knowledge of human anatomy is like having the owner manual to your body. Without anatomy and physiology the world of medicine would cease to exist and quality of life for the entire human race would be seriously diminished. As a class we will discuss, explore and extend our A&P knowledge through discussions, lectures, hands on activities and labs..

Classroom Procedures

- For every class
 - Something to write with
 - Something to write on that is specifically for this class (notebook or binder)
 - Textbook (not everyday but I will tell you when you need it)
- When you walk into class you have the first 5-10 minutes to yourself. If there is a Bell Ringer/ Do Now you must do this right away. During the rest of the time you may finish homework, talk quietly or be on your phones. This is a privilege that can be taken away if needed based on individual behavior. You also must have all materials needed for the class out and ready to go by the end of this time.
- If we have a lab proper lab attire must be worn that day. I will tell you the safety precautions needed at least two classes prior to the lab. Failure to wear proper lab attire will result in a 10 point loss in the overall lab grade.
 - This usually consists of closed toed shoes, long sleeved shirts and long pants. You should also have something to tie your hair back if you have

longer hair.

- If you need to leave the class for an emergency please alert me right away. If it is not an emergency (bathroom, forgot to get something from locker etc.) please wait for classroom down time. Please do not disrupt class unless it is a true emergency.

Daily Work:

Daily work completed both in class or out of the classroom counts as part of your formative grade. This includes Do Nows and Exit Slips. There will be daily work--reading and writing assignments that are very important as a foundation for our class. It will be your responsibility to get all missed assignments that need to be made up should you be absent. Do not count on me to automatically give it to you—PLEASE ask for it! YOU are responsible for YOUR knowledge.

Project/Quizzes:

There will be projects assigned throughout the semester. These assignments will count as part of your formative grade. If quizzes will be given, they will be formative in nature. Quizzes MAY be given at any time without warning.

Summative Assessments:

These will comprise 60% of your grade and can include quizzes, chapter or unit tests, projects, presentations and labs. Tests may be given at the end of each chapter or at the end of each unit. The test date will be announced well in advance and we will review the material in class. Quizzes MAY be given at any time without warning. Your semester final examination will be comprehensive and count as 10% of your grade. REMEMBER: Your performance in this class is entirely up to you!!

Final Exam: Will count as 10% of your grade and be comprehensive, covering the entire semester's material

Grading

It is important to remember that I do not pass or fail you in this class. YOU are entirely responsible for your performance in this class. Failure to do the work and study for test may result in your EARNING a failing grade. Likewise, completion of the work can most likely result in your EARNING a passing grade. Grades will be issued as follows:

Formative Assessments- 40% Summative Assessments- 60%

A-90%-100%

B-80%-89%

C-70%-79%

D-60%-69%

F-1%-59%

Formative Assessments include: daily work, projects/quizzes, "do now exercises"

Semester grades are calculated by accumulating all points throughout the entire semester's grade to total 90%. The remaining 10% is the comprehensive semester final exam. REMEMBER: Your performance in this class is entirely up to you!!

Academic Integrity

Plagiarism, cheating on an exam, copying of homework or test answers, and/or arranging for others to do schoolwork or exams are all considered to be dishonest, wrong and in opposition to the purpose of learning. Students found committing academic dishonesty (cheating on an exam, copying homework, plagiarism) can receive a grade of "F" or "0" and could face disciplinary action. Your parent/guardian will be notified. This includes final exams. Teachers have the option to provide the student with another opportunity to test with less credit offered. Repeated offenses will lead to more serious consequences, potentially including course failure. We are here to learn, please maintain your academic integrity accordingly and do not copy nor allow anyone to copy your work. Just **DON'T** do it!

Course Outline (tentative)

Time Period:	Quarter:	Theme:	Topic:
August	1	The Body as a Whole	-Organization of the body - Chemical basis of life
September	1	The Body as a whole	-Anatomy and physiology of cells -Cell growth and reproduction - Tissues
October	2	Support and movement	-Skin and its appendages - Skeletal tissues - Skeletal system - Articulations
November	2	Support and movement	-Anatomy and physiology of the muscular system
January	3	Communication. control and integration	-Nervous system cells -Central, peripheral and autonomic nervous systems -Sense organs -Endocrine glands and regulation
February	3	Transportation and respiration	-Blood -Anatomy and physiology of the circulatory system -Anatomy and physiology of the respiratory system
March	4	Defense	-Lymphatic system -Immune system

			-Stress
April	4	Nutrition and excretion	-Anatomy and physiology of the digestive system - Nutrition and metabolism - Urinary system - Fluid and electrolyte balance - Acid-base balance
May	4	Reproduction and development	-Male reproductive system -Female reproductive system -Growth and development - Genetics and hereditary