

Course Description:

Anatomy Physiology 12 is the study of human organisms and their associated life processes. From the micro-world of biochemistry to the different organ systems of the body, we will cover a variety of the parts and systems of the human body. Because this is a very comprehensive course, your grade in Anatomy Physiology 12 will be looked at for entrance into science programs at post-secondary institutions.

The units you will study are (not necessarily in this order):

- 1. Biological Molecules**
- 2. Cell structure, Compounds and Intracellular Transport**
- 3. Metabolism and Enzymes**
- 4. Feedback Loops & Body Regulation**
- 5. Transport Across A Cell Membrane**
- 6. DNA, Genetic Information and Replication**
- 7. Proteins, Cell Structure and Function**
- 8. Genomics and Biotechnology**
- 9. Digestion**
- 10. Circulation and Blood**
- 11. Respiration**
- 12. Excretion (Urinary System)**
- 13. Nervous System – Neural Unit and Connections**
- 14. Reproduction**

Marks Distribution:

Exams 80% Inquiry Projects 10% Final Exam 10%

Daily Memorization and Review

This class has **hundreds and hundreds of words and concepts** that will be new to you. Daily memorization practice is crucial in order to earn a grade that will transfer to post-secondary learning institutions.

You will need to invest in 3x5 cards ("Dollar Stores" are the best source) to help you memorize the required terms and concepts. Keep your cards simple with mostly brief definitions of words.

Attendance Policy

*Understand that some Inquiry Based Activities cannot be "made-up" (**ie:Plan Ahead**)

*It is your responsibility to find out what notes, handouts or assignments you have missed.

*I will not "chase you" to hand in any assignments or projects.

*If you are absent the day an Inquiry Based Project is due I will only accept the project the very 1st day you return.

*If you are absent the day of a problem solving assessment and your parents or guardian have called in to report your absence **the day of your absence**, your scheduled make-up exam is **June 24th, 2024 at 9:00am** in room C223.

(There is no make-up for the final)

Note that you have been told of this date and time 4 months in advance of other teachers scheduling their "course completion" sessions.

Important Dates

March 18 to April 2 Spring Break

March 14th Parent Teacher Conference

June 20th - Final Exam

Make-up Exams June 24th

(There is no make-up for the Final Exam)