

Human Anatomy and Physiology Syllabus

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Welcome to Human Anatomy and Physiology! You probably have heard, this class is no joke. You have elected to enroll in a class that for me is the most interesting and relevant course you will be taking in your high school career. The key word in the preceding sentence is elected. That word means that you have chosen this subject of your own free will, hopefully because it interests you. Along with the things that I have to offer you in this course, I want to make it clear that I will be holding you to some very high expectations.

So what will we cover in Anatomy?

- Anatomical / Medical Terminology (throughout)
- 1. Organizational structure of the Human Body
- 2. Histology (types of tissues)
- 3. *The Skeletal System
- 4. *The Muscular System
- 5. *The Nervous System (The Brain and the Senses)
- 6. *The Cardiovascular System & Lymphatic System
- 7. *The Blood & Immune System
- 8. The Respiratory System
- 9. *The Digestive System
- 10. Metabolism
- 11. The Urinary System
- 12. *The Endocrine System
- 13. The Reproductive System
- 14. Human Genetics and Embryology

Topics with a * will be covered in more depth than the others. We will stick to topics that are more likely to benefit you in the future (as well as some that are just cool).

What do you need to have?

Lecture - pretty simple

- 1 three-ring notebook (1 ½ " or larger for the tons of material I will dump on you). They won't be graded but they will be checked to make sure things are in order.
- 1 standard composition book (for your journal)
- Pens AND Pencils. Almost all lab writing and sketching are in pencil.

Lab

- A box of dissecting gloves (latex are better than vinyl, nitrile are the best. Avoid powdered because they dry your skin too much). At any drug store.
- Nasty pencils that you will only use during dissection.
 - You will be provided an apron and safety glasses.

How will you be graded?

- Grades - You will have to work in this course. It is not a lot of "homework" but it is a lot of studying at home. I will teach you how to study for this kind of class. You cannot try to cram the night before for my Tests/Quizzes, there is no way! Some of you will try, but this is your warning that you will blow up your grade!

Be patient and don't make any decisions about how you will handle the course right away. Many students struggle in the beginning of the course, but those who try are on track very quickly

- **Quizzes / Tests - 2 - 5 per unit depending on length, 65% of your grade.**
 - Quizzes can be computer based or written.
 - Quizzes are a combination of Multiple Choice, Matching, Completion, Short Answer and Long Response questions, depending on the material.
 - Quizzes related to lab skills are called "practicals" and are hands on Quizzes, not paper Quizzes. They are typically based on dissection.
 - **All quizzes can be retaken** if you believe you can do better. They are never 1 and done. However, the ability to a retake is earned.
 - You must have all of the necessary study materials (notes, labs, handouts) organized in your notebook. All assignments on that material must be completed.
 - You get 5 retakes in a marking period. You can use them at any time, but don't waste them! Retaking a quiz counts as much as a big test so be smart.
 - You may not be guilty of **any cheating** or academic dishonesty (copying of labs, cutting class) within that unit or you will forfeit your right to retake a test.
 - **CHEATING** on a test or quiz will cost you all retakes for a marking period.
 - Retakes are **never the same test** as the original, but they test the same material.
- **Labs - 1 - 4 per unit 25% of your grade** Measure mastery of physical performance and knowledge. They will include dissections, computer based dissection (ADAM), human physiology experiments using Vernier probed as well as other hands on activities.
 - Grade is based on demonstration of necessary skills, adherence to lab safety and procedures, and demonstration of concept mastery through completion of follow up activities. Typically part of the grade is based on group, not just individual performance.
- **Presentations and Special Projects - 10% of your grade**
- **Homework (Worth 0% of your grade) - 1 - 3 per week (depending on length).** These are designed to provide practice of recently covered material, to introduce new topics and to review past material as it relates to the current topic. Most are labeling of diagrams or simple vocabulary and will not require much time. Almost none will be collected, but it will often be reviewed in class on the day it is due.
 - Remember, all assignments must be completed for re-Quiz rights. You will have to keep your assignments organized. If you cannot find your work, you can't do makeups until you redo it.
 - Anyone found copying the work of another student or willingly allowing work to be copied will forfeit their makeup rights for the test/quiz on that material.
 - **. **This does not include Lab Reports or longer written assignments. They definitely are part of your grade. ****

- Time - Like I said, this will be mostly time spent studying the notes, labs and vocabulary so that you are ready for a test.
- Notebook - This is where you put EVERYTHING (except the mink). We do not "take" notes, we talk about them. You get the notes already filled in. We use time in class to make sure you understand them. All homework, diagrams, and labs also go in the notebook. This is where you have to show it to me for retakes. You need this on **any day we are not doing lab**.
- Journal - (standard composition book) - You will be keeping a journal that you will use **almost daily** in class. You will use the book to answer questions, write summaries, plan labs, answer writing prompts and many other things. This must be for this subject only because you will often turn it in to me for review. You need this **every day**.
- Dissection - This is an activity that is mandatory! In other classes I teach, I am more than willing to respect an individual's moral or religious objections where they pertain to the dissection of animals. This is not one of those classes. There is no way that you can learn what there is to learn from this class unless you have the opportunity to touch and feel the real thing. We will be using mink as our dissecting specimen. These were once living creatures and they will be treated with the dignity that you would demand of your own pet in death. If you were unaware of the dissection and you **know** that you will be unable to conduct a dissection for some moral or religious reason, please look into dropping this class, because there will be no one excused from dissection. For the rest of you, don't freak, it is not that bad.