



Anatomy and Physiology

Marie Bargas

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Conference Period: 5th period

Tutoring Opportunities: Before school 8:15am Mon- Fri; By appointment only during conference period

Class Materials:

Please bring the following:

- 3 ring binder or single/multi subject spiral with folders or journal notebook
- Glue stick
- Pencils
- Map colors
- Gloves

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

Course Description:

To provide students with an understanding of all body systems and their functions as it relates to health care professionals.

Course Goals:

Students who complete this course successfully will be able to:

- 1) Gain understanding of human anatomy and physiology of all body systems
- 2) Practice applying knowledge of body systems and functions to a specific health care career or focus

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.

Assignments, exams, expectations outside of the classroom:

Assignments will be considered late if they are NOT turned into the homework box or CANVAS BY

THE **BEGINNING** OF CLASS. After that time, assignments will be considered late. Please refer to grading policy posted on Class Bulletin Board for LATE WORK. **All late and make-up work must be marked as "late" or "excused absence" at the top of the paper if you want to earn credit.** Records of attendance are kept to cross-reference any disputes.

Journals are mandatory. No exceptions! A Major Grade will be assigned based on completeness of content each six weeks. A checklist of contents is displayed weekly (**Journal Check List** in the back of the room) and is current and should be reviewed before the due date.

3 Major grades each six weeks will be given in the form of formal assessments or projects.

Every effort will be made to minimize potential danger to everyone in the classroom. You will be expected to follow all safety guidelines presented in class as well as take and pass a safety quiz given at the beginning of the semester. Any improper conduct may result in ZERO CREDIT FOR THE LAB WITH NO FURTHER PARTICIPATION IN THE ACTIVITY.

- **Come prepared to class and ready to learn.** This means having something to write with, your Science Log, and any homework or previous assignments that are due that day. Students will be much more successful in the class if they have everything they need each day of school.
- **Give 100% effort 100% of the time.** With a limited amount of time for this class, the semesters will fly by! Each class is important to succeed and each student's effort is key. Participating in class, adding to the discussions, asking questions, and turning in assignments every day will allow students to achieve, but needs to be done each and every day!
- **No eating or drinking in the lab.** In this class, we will be doing many labs, projects and hands-on activities; eating could cause a student to become sick during a lab or ruin a student's assignment if something is spilled.
- **Cell phones in class.** This is allowed but used appropriately. Cell phones should be left in the right corner of your desk, face down, when not being used as part of the lesson activity. Students will be given one warning if their phone is being used improperly, and subject to consequences. Repeated offenders will be sent to the office.

Attendance/Tardy Policy/Make-Up Work:

My class follows the make-up work campus guidelines.

If you must miss a class and the absence is excused, it is **your responsibility to find out what you missed. Not knowing there was an assignment is not an excuse.** In the Bins located in the back of the room labelled "Principles of HS" you will find by day of week the material that was covered for the day(s) or week. Canvas can also be a resource for missed lecture material. Project due dates, regardless of missed absences in between, are expected and graded as such, unless communicated otherwise. Tardiness is not permitted. We will have class warm-ups at the start of every class period. If you miss what we do during the first few minutes of class, you may feel lost in the daily lesson. There will be a Quiz or some form of informal and formal assessment each week. There is a lot of material to cover and to ensure understanding you will have to be present on a daily basis.

Missed exams must be made up timely and will be given in accordance to school policy. Make-up exams will ALWAYS consist of an alternate form of the original test given.

Preliminary Schedule of Topics, Readings, and Assignments

1st Six Weeks

- **Foundations of Human Anatomy and Physiology**
Language of Anatomy and Physiology
- **Bio-Molecules**
- **Cells**
- **Tissues**
Types
Body Membranes
- **Integumentary**
Homeostasis
Mitosis and Skin Repair
Cancer and Burns

2nd Six Weeks

- **Skeletal System**
Joints and Tendons
- **Muscular System**
Muscle movements

3rd Six Weeks

- **Nervous / Sensory**
Overview of the Nervous System
Transmission of Nerve Impulses
Anatomy of Central and Peripheral System
- **The Sensory Systems**

The Eye
The Ear
Smell and Taste
- **The Endocrine System**
Functions and Control of the Endocrine System
Major Endocrine Organs
Endocrine Disorders and Diseases

4th Six Weeks

- **Blood**
Blood Types
Blood Disorders
- **Cardiovascular System**
Heart Anatomy and the Function of the Cardiovascular
Heart Disease
- **The Lymphatic and Immune Systems**

The Lymphatic Organs

Immune Reactions

5th Six Weeks

- **Respiratory System**
Functions and Anatomy of the Respiratory System
- **The Digestive System**
Nutrition
Anatomy and Physiology of the Digestive System

6th Six Weeks

- **The Urinary System**
Anatomy of the Kidney
Urine Formation, Storage, and Excretion
- **The Male and Female Reproductive Systems**
Reproduction and Development of the Human Reproductive Systems
Male Reproductive System Anatomy and Physiology
Female Reproductive System Anatomy and Physiology
Fertilization, Pregnancy, and Birth

Academic Integrity:

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.