

Omaha North High School

Anatomy and Physiology

Instructor Contact Information

Instructor: Alexander Anton

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Class Room: 233

**Course Objectives**

Anatomy and physiology is the study of the human body and how it works. We will study this field through lens of scientific inquiry and hands on experiences. Specific learning topics include:

- Describe the relationship between structure and function in the human body.
- Describe the structure of a basic cell.
- Describe the function of a basic cell.
- Describe the structure of epithelial and connective tissue.
- Describe the function of epithelial and connective tissue.
- Identify and describe the specific bones of the skeletal system and selected landmarks on those bones.
- Describe the functions of the skeletal system and its parts.
- Identify and describe the major muscles of the body, their attachment points, their nervous intervention, and actions.
- Describe the functions of the muscular system and its parts.
- Identify and describe the major structures of the circulatory system.
- Describe the functions of the circulatory system and its parts.
- Identify and describe the major structures of the respiratory system.
- Describe the functions of the respiratory system and its parts.

**Textbook**

Essentials of Human Anatomy & Physiology, 13<sup>th</sup> Edition. Marieb and Keller. 2023.

## **Classroom Expectations**

- 1) Come to class on time and prepared to work by having your charged iPad.
- 2) Enter calmly, go to your assigned seat, and follow directions on the board for bell work.
- 3) Follow phone expectations for class.
- 4) Be quick with the hall pass. Abuse of the pass will result in 2 weeks of no pass.
- 5) Be respectful to yourself and others by using polite language and staying in your seat. Harassment, insults, etc. will not be tolerated.
- 6) Do not answer the door unless given permission.
- 7) Remain in your seat until the bell rings.

## **Grading**

Completing work is crucial to your success in this class. Each unit is designed to have work that builds up to a stronger understanding to help you succeed on graded material. There are three types of assigned material in class.

- Practice
  - Practice work is completed in class and is not graded. Practice assignments are a time to learn where mistakes do not harm students' grades. While they are not graded, they are extremely important in learning the course material.
- Formative
  - Formative assignments are completed in class or at home as homework. These include assignments, quizzes, and projects. Formative grades make up 40% of the final grade.
- Summative
  - Summative work includes unit tests. Summative work will make up 60% of the grade.

## **Mastering A and P**

We will be utilizing an online program from our textbook called Mastering Anatomy and Physiology. You will sign up for this service and use it throughout the semester for activities and assignments, making it even more important for you to bring your iPad ready to use.

## **Grading Scale**

A: 3.29-4.00

B: 2.51-3.25

C: 1.76-2.50

D: 1.01-1.75

F: 0.00-1.00

