

Anatomy and Physiology II

This class involves the study of the nervous system and digestive system of the human body, how these systems function, and what your body can do for you along with what you should do to take care of your body. We will start with the basics and learn how the processes work.

Course Learning Outcomes:

- I can use the scientific method to think objectively about situations.
- I can describe the structure and function of the peripheral nervous system.
- I can describe the structure and function of the central nervous system.
- I can identify the structures of the eye and the path of light through the eye to the brain.
- I can describe the structure and function of the ear, and the path of sound through the ear to the brain.
- I can describe the structure and function of the olfactory and gustatory systems. I can summarize the path of taste and smell through the system to the brain.
- I can describe the structure and function of the digestive system and trace the path of food through the system.

Classroom expectations

You will be expected to follow the policies and procedures as described in the handbook. You will need to be prepared for class each day, participate in class discussions and activities, make progress on work materials, and maintain a pace to be able to successfully complete the course.

We, as a class, will determine any other norms for the success of the participants.

Grading Scale:	100-90%	A
	89-80%	B
	79-70%	C
	69-60%	D

Areas of Study:

- **Peripheral Nervous System**
This includes the sending and receiving of impulses, types of neurotransmitters, and the structure of a neuron.
- **Central Nervous System**
This unit will connect to the last one, to include the brain and spinal cord, areas of the brain for interpretation, and protection for the CNS.
- **Sight Sensation**
We will learn how light passes through the eye and transfers the information to be interpreted in the brain.
- **Auditory Sensation**
You will experience the parts and functions of how we hear, test your hearing, and how sound affects us daily.
- **Olfactory/Gustatory**
You will learn how the senses of taste and smell work together to enhance your sensory experiences.
- **Digestive System**
We will learn how the food moves through the alimentary canal, where different digestions take place, and how energy from food is absorbed.

Resources

The textbook for this course is *Essentials of Human Anatomy and Physiology*.

You will be able to find alternative and optional reading materials in your canvas course for each unit.

You will also be able to find all work resources in your canvas course for each unit.