**MOHAWK VALLEY COMMUNITY COLLEGE**

**UTICA AND ROME, NEW YORK**

**BI 110 An Introduction to Human Anatomy and Physiology** C-3,P-0,Cr-3

**Course Description**

This course introduces the structure, organization, and functioning of the human organism. It provides an overview of most of the systems of the body. Common diseases and injuries are described. This course does not meet graduation requirements for science, health science, or health-related majors.

**Student Learning Outcomes**

1. The student will be able to correctly use directional and regional terms to locate various structures of the human body.
2. The student will be able to describe basic differences between the four major tissues composing the organs of the human body.
3. The student will be able to identify the various components of the integumentary system relating their structure to function.
4. The student will be able to identify the major bones of the human body.
5. The student will be able to describe the three different types of muscle tissue found in the human body.
6. The student will be able to relate the structure of skeletal muscle explaining how this structure produces movement.
7. The student will be able to name the parts of the heart and the role that the parts play in moving blood through the human body.
8. The student will be able to describe the different types of blood vessels found in the circulatory system and relate their specific structures to their functions.
9. The student will be able to describe the basic components of blood.
10. The student will be able to list the structures of the digestive system and how these structures function to digest and absorb nutrients needed for the survival of the human body.
11. The student will be able to describe how the different organs of the urinary system function together to rid the body of nitrogenous wastes.
12. The student will be able to describe the basic parts of the nervous system and describe the basic functions of each part.
13. The student will relate how the structure of the eye and ear function to transform environmental stimuli into nervous impulses.
14. The student will be able to describe how male and female reproductive structures function to create a new generation of humans.

**Major Topics**

1. Anatomical terms and tissues
2. Skin and homeostasis
3. Skeletal system
4. Muscular system
5. Heart and blood vessels
6. Blood
7. Respiratory system
8. Digestive system
9. Urinary system
10. Nervous system
11. Special senses
12. Reproductive system

This was last reviewed on 1/17/2017.

 on May 8, 2018