BIO11- Human Anatomy & Physiology I
Upon completion of the course students will be able to:

1. Demonstrate proficiency in the use of basic laboratory instruments including the microscope, triple beam balance, pipettes, and glassware, and basic tools for analysis of physiological signs, including relevant computer-based equipment and software.

2. Apply the scientific method when thinking and learning about human anatomy and physiology.

3. Recognize and explain the principle of homeostasis and the use of feedback loops to control the physiology of the body systems.

4. Demonstrate an understanding of basic chemical and biochemical concepts inherent to the function of the human body.

5. Develop the anatomical/physiological vocabulary essential to success in this course.

6. Explain the fundamentals of the cell and its components, and cell specializations in various body systems.

7. Identify the relationship between cells, tissues and organs.

8. Recognize and explain the interrelationships within and between anatomical and physiological aspects of the integumentary, skeletal, muscular, nervous, and endocrine systems, and of the interrelations between these systems as they maintain homeostasis.