



BAKER COLLEGE
STUDENT LEARNING OUTCOMES
BIO1211 Anatomy & Physiology I Lab
1 Semester Hours

Student Learning Outcomes & Enabling Objectives

Throughout the labs, students will use scientific standards of measurement.

1. Examine the organization of the human body.

- a. Identify anatomical planes.
- b. Identify the anatomical quadrants.
- c. Identify body cavities.
- d. Identify the anatomical directions.

2. Identify parts of the cell

- a. Plasma membrane
- b. Nuclear envelope
- c. Cytoplasmic organelles
 - i. Mitochondria
 - ii. Golgi Apparatus
 - iii. Endoplasmic Reticulum
 1. Rough ER
 2. Smooth ER
 - iv. Centrioles
 - v. Lysosomes

3. Identify the stages of the cell cycle

- a. Prophase
- b. Metaphase
- c. Anaphase
- d. Telophase
- e. Interphase

4. Identify different types of tissues.

- a. Identify different epithelial tissues
 - i. Simple
 - ii. Stratified
 - iii. Pseudostratified
 - iv. Transitional
 - v. Squamous

- vi. Cuboidal
 - vii. Columnar
 - b. Identify different connective tissues
 - c. Identify muscle tissues
 - i. Skeletal
 - ii. Smooth
 - iii. Cardiac
 - d. Identify different Nervous tissues
 - i. Neuron
 - ii. Neuroglia
5. Identify the basic structure of the following systems:
- a. Integumentary
 - b. Skeletal
 - c. Muscular
 - d. Nervous system
 - e. Urinary
 - f. Digestive
 - g. Reproductive
 - h. Endocrine
 - i. Lymphatic
 - j. Cardiovascular
 - k. Respiratory
 - l. Blood

These SLOs are not approved for experiential credit.

Effective: Fall 2017