

BI 231 : Human Anatomy & Physiology I

Introduces basic anatomical and physiological terms, tissues, the integumentary, skeletal, muscular and nervous systems including nervous histology, physiology, spinal cord and nerves. Includes lecture discussions complemented by laboratories involving microscopy, animal dissection, physiological exercises and computer based exercises. This is the first course in a three-course sequence.

Credits 4

Prerequisites

Equivalent placement test scores also accepted. BI 112 or (BI 211 and BI 212) may be accepted.

Subject

Biology

Course Outcomes

Upon successful completion students will be able to:

- Work collaboratively, competently and ethically within a team of other health care professionals in subsequent clinical and academic programs in allied health sciences.
- Apply concepts and knowledge of general anatomical terminology, gross anatomy, physiology, histology and terminology related to the integument, muscular, skeletal and nervous systems (histology, physiology, spinal cord and nerves) toward clinical problem solving.
- Critically evaluate health articles and medical journals related to anatomy and physiology and contextualize the knowledge into the realm of public health and broader social issues.
- Effectively evaluate case studies in anatomy and physiology through verbal, written and/or multimedia means.
- Continually develop scientific reasoning and the ability to interpret patient data through the collection of clinical and physiological parameters.
- Use correct terminology to communicate anatomical features and physiological processes.

Prerequisite Courses

WR 115

RD 115

MTH 65

BI 112

BI 211

BI 212