Course Description

Introduces basic medical terminology, anatomy, physiology, components of health care delivery and clinical laboratory structure. Teaches techniques of specimen collection, specimen handling, and patient interactions. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose

To provide students with the theory and technique essential for the proper collection and handling of laboratory specimens.

Course Prerequisites/Co-requisites

Students must have viewed online information session, completed assessment to place in ENG 111, and submitted verified preadmission checklist and program application to program office.

Course Objectives

Upon completing the course, the student will be able to:

- Identify hospital health care providers and departments
- Describe the organizational structure of the clinical laboratory
- Define routinely used medical terminology
- Discuss body systems and anatomical regions and relate them to pathological conditions
- Assemble equipment for specimen collection
- Demonstrate knowledge of infection control and safety
- Apply principles of quality assessment to specimen collection and point-of-care testing
- Demonstrate proper patient and staff interpersonal relationships
- Describe the collection and labeling of specimens.
- Perform collection of blood specimens by venipuncture and dermal puncture.

Major Topics to be Included

- Health care delivery system
- Laboratory organization
- Laboratory procedures and terminology
- Anatomical systems
- Circulatory system
- Collection tubes
- Collection equipment
- Blood constituents
- Legal and ethical issues
- Complications and interference
- Isolation procedures
- Specimen handling
- Specimen processing
- Special procedure
- Interpersonal relationships