



Course Description

MEA0254 | Physician Office Laboratory Procedures | 2.00 credits

Theoretical concepts of specimen collection and processing. This course focuses on the fundamentals of diagnostic tests, including urinalysis, basic office bacteriology, hematology, and blood chemistry. The principles of aseptic techniques, infection control, and safety procedures are discussed. Compliance with quality assurance practices is emphasized.

Course Competencies:

Competency 1: The student will describe the functions of POL (Physician Office Laboratories) and independent laboratories by:

1. Explaining the types and functions of laboratories
2. Describing the educational preparation and responsibilities of different laboratory staff
3. Acknowledging the rules and regulations that apply to POL

Competency 2: The student will demonstrate knowledge of the primary laboratory tests by:

1. Explaining the basic lab procedure of venipuncture
2. Explaining the basic lab procedure of urinalysis
3. Explaining basic microbiology testing

Competency 3: The student will recognize normal and abnormal values of basic laboratory tests by:

1. Identifying normal and abnormal CBC results
2. Identifying normal and abnormal Urinalysis results
3. Identifying normal and abnormal Microbiology test results

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of diverse cultures, including global and historical perspectives
- Demonstrate an appreciation for aesthetics and creative activities