



### **Course Description**

#### **MEA0254L | Physician Office Laboratory Procedure Applications | 2.00 credits**

A clinical laboratory course designed for the Medical Assistant student to practice specimen collection, microscopy and urinalysis. Includes basic office bacteriology, hematology, and blood chemistry. The student will apply principles of aseptic techniques and infection control.

### **Course Competencies:**

**Competency 1:** The student will demonstrate proper care and use of the compound microscope by:

1. Learning parts of the microscope
2. Demonstrating proper use of the microscope
3. Reviewing slides using the microscope

**Competency 2:** The student will demonstrate the correct technique to perform phlebotomy by:

1. Following approved procedures for completing a laboratory requisition form
2. Listing appropriate supplies needed to perform phlebotomy
3. Performing venipuncture by evacuated tube using proper steps
4. Describing the most common complications associated with venipuncture

**Competency 3:** The student will demonstrate proper collection of urine specimens by:

1. Complying with safety signs, symbols, and labels
2. Explaining proper supplies and equipment needed for the collection of urine
3. Explaining proper technique in obtaining a urine sample
4. Describing normal and abnormal 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
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities