



### **Course Description**

#### **MEA0258 | Radiology for the Medical Assistant | 3.00 credits**

This course focuses on the basic principles of X-ray, film handling and processing, radiographic technique, and radiation biology. The course prepares the student to take the examination given by the Florida Department of Professional Regulations (DPR) for the Basic Radiographer License.

### **Course Competencies:**

**Competency 1:** The student will demonstrate knowledge of radiographic equipment by:

1. Explaining parts of an X-ray machine
2. Describing how an X-ray machine works
3. Identifying accessories used for obtaining proper X-rays

**Competency 2:** The student will be able to position the patient for an X-ray by:

1. Identifying bones in the human body
2. Positioning the patient correctly on the X-ray table
3. Applying HIPAA when performing X-rays

**Competency 3:** The student will identify good quality x-ray films by:

1. Evaluating film mA, kVp, and time
2. Evaluating film abnormalities
3. Performing corrective techniques for good-quality film

### **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
- 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