Miami Dade College

Course Description

RTE1513L | Radiographic Positioning Lab 2| 1 credit

This laboratory course will develop student skills in the practical application of radiographic positioning and procedures described in RTE 1513 Radiographic Positioning II. Emphasis will be placed on positioning procedures of the GI and urinary systems, bony thorax, spine, skull, and facial bones.

Course Competencies

Competency 1:

The student will be able to accurately simulate radiographic procedures of the spinal column, bony thorax, skull and facial bones, using phantom or live person, by:

- appropriately identifying the routine and special views for each anatomical part
- correctly positioning the patient/phantom for each routine and special examination.
- defining the rule for table-top vs. bucky for each examination.
- adjusting the SID to the proper distance.
- aligning the central ray with the image receptor
- executing the proper centering points and CR angle for each examination
- collimating to the area of interest
- selecting suitable technical factors to produce quality diagnostic images with the lowest radiation exposure possible, if applicable

Learning Outcomes:

- Critical thinking
- Information Literacy
- Computer / Technology Usage

Competency 2:

The student will be able to accurately simulate fluoroscopic procedures of the GI and urinary system, using live person, by:

- explaining the general purpose of each fluoroscopic study to the patient
- verifying the patient preparation for the GI and urinary system studies
- preparing equipment and supplies necessary to complete GI and urinary procedures.
- simulating the routine and special positions/projections for all fluoroscopic GI and urinary procedures
- describing general radiation safety and protection practices associated with fluoroscopic examinations

Learning Outcomes:

- Communication
- Critical thinking
- Information Literacy
- Computer / Technology Usage

Competency 3:

The student will be able to simulate modified radiographic procedures for trauma scenarios by:

- altering the image receptor position to obtain at least two images at 90-degrees from each other
- utilizing the cross-table methods with horizontal beam
- properly using positioning and immobilization aids

Learning Outcomes:

- Communication
- Critical thinking
- Computer / Technology Usage