Miami Dade College

Course Description

RTE1503L | Radiographic Positioning Lab 1| 1 credit

This course provides the Radiography student the opportunity to practice the positioning skills presented in RTE 1503. It is essential that students practice the skills and be assessed, under simulated conditions, prior to applying the acquired skills in a clinical situation.

Course Competencies

Competency 1:

The student will be able to develop effective communication skills during simulated radiographic procedures by:

- greeting and introducing her/himself to the simulated patient
- verifying verbally and visually the patient's identity using two identifiers
- assessing the patient's condition and obtaining patient's history
- explaining the radiographic procedure to the patient
- addressing patient's comfort during the procedure
- demonstrating behavior toward the partner/patient consistent with the professionally established guidelines

   Learning Outcomes:
- Communication
- Critical thinking
- Information Literacy

Competency 2:

The student will be able to operate the energized x-ray equipment and perform the x-ray exposure on a phantom by:

- selecting the correct image receptor
- determining the use of table-top vs. bucky method in accordance to the phantom size
- aligning x-ray tube with the image receptor
- implementing the proper centering points and CR angle
- collimating the x-ray to the area of interest.
- selecting suitable technical factors to produce quality diagnostic images with the lowest radiation exposure possible

   Learning Outcomes:
- Numbers / Data
- Critical thinking

- Information Literacy
- Computer / Technology Usage

Competency 3:
The student will be able to accurately simulate radiographic procedures of the chest, abdomen, upper and lower extremities, shoulder and pelvic girdles by:

- preparing the radiographic room for the exam.
- selecting the proper image receptor size for the part.
- adjusting the SID to the proper distance.
- aligning the central ray with the image receptor
- properly positioning the patient for each examination
- executing the proper centering points and CR angle for each examination

   Learning Outcomes:
- Communication
- Critical thinking
- Information Literacy
- Computer / Technology Usage