

**Course Outcome Guides  
Fall 2017**

**Course/Program Title:** RAD 104- Radiographic Positioning II  
**Course/Program Team:** Michelle McDaniel

**Expected Learning Outcomes for RAD 104**

**STUDENT LEARNING OUTCOMES:**

1. Demonstrates appropriate use of radiographic equipment in the energized laboratory, as required for radiographic procedures.
2. Lists the preliminary steps in radiography of a body part and states the significance of each.
3. Describes and demonstrates the correct positioning of a patient for an abdomen and chest examination.
4. Demonstrates basic radiographic positions pertaining to the appendicular osseous system of the body.
5. Identifies anatomy, pathology, positions, and anomalies pertaining to the chest, abdomen, and appendicular osseous system as they appear on a diagram or actual radiograph.
6. Performs satisfactorily in the various phases of diagnostic radiography utilizing the appropriate principles of radiographic positioning when completing classroom competencies.
7. Applies proper radiation protection methods as indicated by a radiographic position.
8. Evaluates radiographic image quality on radiographs.

**Assessment (How do or will students demonstrate achievement of each outcome?)**

- Assessments exams, quizzes
- Competencies and film critique

**Validation (What methods have you used or will you use to validate your assessment?)**

- Completion of course with an average grade of 75% or higher.
- Satisfactory completion (75% or higher) of all Competencies and course work
- 85% of students will correctly answer designed final exam questions correctly.

**Results (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)**

- 100% (31/31 students) received a score of 75% or higher for the class.
- 100% of students (31/31) passed the film critique requirement on the final competency
- 90% of students (28/31) were able to adapt and critically reason through final competency
- 90% of students (28/31) received an 85% or higher on their final competency.
- Percentage of students answering the following final exam questions correct

Question #4 – compression fracture	29/31 94%
Question #31 - sternum	27/31 87%
Question #94 – type of fracture	29/31 94%
Question #38- t-spine projections	30/31 97%
Question #61 – reverse Colles	31/31 100%

**Follow-up (How have you used or how will you use the data to improve student learning?)**

- Continue to stress the steps of performing a successful competency and continue to review films with students during class and lab so as to continue to have success with the students being able to pass their competencies and properly critiquing films.
- All questions met the benchmark. For future classes, continue to review the types of fractures with the presentation currently being used and review spine projections in the lab.

**Budget Justification (What resources are necessary to improve student learning?)**

- No resources needed at this time.