Course Outcomes Guide

Course/Program Title: RAD 102 Radiography II **Date: Fall 2015**
Course/Program Team: D. Carroll
Expected Learning Outcomes:
The student will

1. identify the components of an x-ray unit and circuitry and their function.
2. state the guidelines for and demonstrate safe operation of a radiographic unit.
3. identify the accessories utilized to enhance the production of quality radiographic images and their function.
4. explain the impact prime radiation exposure factors have on the production of quality radiographic images.

Assessment: How do or will students demonstrate achievement of each outcome?
Classroom activities, Verbal questions, worksheets, Midterm and final exam

Validation: (What methods have you used or will you use to validate your assessment?)
Course completion with 75% or higher. All students completed
Results: Number of students assessed 29 students

RAD 102 Final Exam Questions	**FA 13**	**FA 14**	**FA 15**
#4 anode #100	24/28 = 86%	19/28=68% *	26/29=90%
#4#44 x-ray quality #61	21/28 = 75%	28/28=100%	28/29=97%
#45 tube current #68	24/28 = 86%	28/28=100%	29/29=100%
#46 mAs #48	28/28 = 100%	26/28=93%	26/29=90%
#48 kVp #49	28/28 = 100%	24/28=86%	28/29=97%
#22 distance #75	25/28 = 89%	25/28=89%	29/29=100%
#23 primary barriers#47	28/28 = 100%	24/28=86%	27/29=93%
#25 collimation#38	22/28 = 79%	28/28=100%	23/29=79%*
#26 patient dose#12	17/28 = 61%	27/28 96%	28/29=97%
#28 gonad shields #24	28/28 = 100%	27/28=96%	28/29=97%
#48 15% rule # 53	28/28 = 100%	28/28 100%	29/29=100%
#52 reducing dose #98	27/28 = 96%	28/28 100%	27/29=93%
#53 patient exposure#19	23/28 = 82%	24/28 86%	29/29=100%
#75 destructive conditions #68	22/28 = 79%	28/28 100%	28/29=97%
#76 tissue conditions #57	17/28 = 61%	28/28 100%	29/29=100%

Follow-up: Continuous assessment of class Review collimation
Budget Justification: None