

**Course Outcomes Guide
RAD 202 –Fall 2016**

Course/Program Title: RAD 202 Medical Imaging II Date: Fall 2016

Program Team: M. McDaniel

Expected Learning Outcomes:

The student will:

1. Identify equipment requirements for the following specialized areas of medical imaging and treatment.
 - a. Mobile Radiography (Pediatric and Adult)
 - b. Fluoroscopy
 - c. Computed Tomography
 - d. Mammography
 - e. Vascular Imaging Equipment
 - f. Digital Imaging Processing
 - g. Digital Radiography
 - h. Magnetic Resonance Imaging
 - i. Other Imaging and Therapeutic Modalities
2. Describes educational requirements and responsibilities of the medical imager performing these specialized procedures identified in outcome #1
3. Provides patient education and care for the for the procedures identified in

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

-unit exams

-comprehensive final

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

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

- 100% (23/23 students) scored 75% or higher for the course
- Final Exam:

Question	SP/15
# 4 air-fluid level	26/26 – 100%
# 3 how many feet away	20/26 – 77%
# 2 responsibility	26/26 – 100%
#23 fluoro SOD	23/26 – 88%
# 8 controlling ped motion	19/26 – 73%
# 7 amniocentesis	23/26 – 88%
# 9 radiation protection	12/26 – 46%
# 1 breast compression	25/26 – 96%
# 5 injector pressure	23/26 – 88%
# 6 MRI coils	24/26 – 92%

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

-continue with current curriculum and add some additional online sources to complement course
 Questions # 8 and 9 are both important concepts. I will continue to reinforce that short exposure times are the best choice for controlling pediatric patient motion. I will discuss in the pediatric chapter as well as when we talk about patient exposure. I will reinforce the best method for reducing exposure and the ALARA principle is distance.

Budget Justification

(What resources are necessary to improve student learning?)

No additional resources needed

MLM/FA16