

**Course Outcomes Guide
RAD 218 FY 16**

Course/Program Title: RAD 218 Principles of CT Imaging Date: FY 16

Course/Program Team: Donna Carroll hybrid

Expected Learning Outcomes:

Student Learning Outcomes:

1. Define and apply the basic terminology in Computed Tomography.
2. Analyze and critique Computed Tomography images.
3. Apply the basic concepts in performing a computed tomography procedure.

Assessment: (How do or will students demonstrate achievement of each outcome? Please attach a copy of your assessment electronically.)

- Quizzes, exams, discussion questions.

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

- Completion of course with a 75% or higher.
- 85% of students will answer designated 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?)

- All completed the course with a 75% or higher. For the student break down 26 students were radiography students and 1 was a professional. Three students did not take the final exam.

Outcome # 1 Provide appropriate patient care with respect to diverse cultures, values, and beliefs	Question number from Final Exam	FY 14 30 stud %	FY15 24 stud %	FY 16 12 students %
	# 76 Culture/history	83	92	92
	#77 Culture/Communication	97	92	92
	# 78 beliefs/Communication	100	100	100

Outcome # 2 Competently perform routine imaging procedures	Question number from Final Exam	FY14	FY15	FY16
	# 2- Date of exam	100	63	100
	# 38 Acoustic neuroma	63	88	58
	# 54 CT Venography –	40	29	42
	# 57 Pulmonary nodules	57	75	0
	# 46 Thorax- aneurysm –	83	75	92

Outcome # 3 Utilize appropriate protection and standard precautions	Question on Final Exam	FY14 30 stud %	F Y15 24 stud %	FY 16 12 stud %
	# 22 Rad dose/pitch	80	63	58
	# 23 Dose/Continuous slices	97	4	0
	# 25 Rad dose small objects	27	17	50
	# 26 Patient dose	97	75	92
	# 27 Rad to fetus	27	100	100

Outcome # 4 Critique images to assure highest quality	Question on Final Exam	FY 14	FY15	FY 16
	# 13 Tissue enhancement	57	54	67
	# 35 Mastoid air cells	100	100	100
	# 39 Subdural hematoma	57	96	50
	# 74 Spinous process –	90	86	75
	# 75 Subclavian artery	67	27	0
Outcome # 7 Make critical decisions appropriate for the medical imager	Question on Final Exam	FY14	FY 15	
	# 3 Good history –	97	100	100
	# 4 Dialysis patient	100	42	33
	# 5 Creatine value	53	83	92
	# 6 Coumadin –	100	100	83
	# 7 Contrast injection	93	92	100

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

-Half the number of students, of 17 questions 59% scored lower than last year and 41% scored higher than last year.

-Some students were not taking the class seriously and wanted to be done with it, therefore final was not taken seriously

Questions 23, 57 and 75 will be more emphasized in class along with 4, 13, 22, 25, 54, 38, 39

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

No new budget items needed.