	☐ Reviewed by Chair ☐ Reviewed by Dean			
Student Learning Outcomes	Measurement Tool	Benchmark	Results	Analysis/Action Plan
1)The student will demonstrate	RAD-155 (Junior)	90 % of students will achieved a	Met-Fall 17	Results 2017-2018
competency in positioning skills	RAD-268 (Senior)	grade of B on their clinical	Met-Spring 18	8/8 (Senior) RAD 268
vithin a clinical setting.	Clinical –Exam			11/11 (Junior) RAD 155
	Log/Competency			-100% of students achieved the grade of B or
				above.
	Evaluation-			- 1:
rogram Goal Analysis - 1	1)Patient position checklist		NA 1 5 11 40	Results 2018-2019
	2)Hands on Competency Check		Met-Fall 18	11/11 (Senior) Rad 268
	Check		Met-Spring 19	12/12 (Junior) Rad 155 -100% of students achieved the grade of B o
				above.
				Results 2019-2020
			Met-Fall 19	12/12 (Senior) RAD 268
			Met- Spring 20	13/13 (Junior) RAD 155
				-100% of students achieved the grade of B o
				above.
				Results 2020-2021
			Met-Fall 20	11/11 (Senior) RAD 268 – 100% of students
			Met- Spring 21	achieved the grad
				of B or above.
				13/14 (Junior) RAD 155 – 93% of the student
				achieved the grade
				of B or above.

-Added phantoms and virtual software to aide

-Updated competency checklist and included state license exam requirements to ensure all

in positioning.

				students were able to complete their competency during Clinical rotations.
2) Students will determine	RAD 101- Introduction to	80% of students will achieved 9 of 10	Met-Fall 17	Results 2017
appropriate technical factors to	Radiography- Final Exam	technique manipulation questions		10/11 = 93% of students achieved 9 of 10
produce a quality radiograph	section for Technical	correct on the Final exam		technique manipulation questions correct on
	Factors			the Final exam
	 Final Exam technical 			
Program Goal Analysis - 1	determination			Results 2018
	2) Hands on control		Met-Fall 18	10/12 = 83% of students achieved 15 of 18
	panel manipulation			technique manipulation questions correct on
	for technique			the Final exam
	accuracy			
				Results 2019
			Met-Fall 19	11/13 = 85% of students achieved 15 of 18
				technique manipulation questions correct on
				the Final exam
				Results 2020
			Met- Fall 20	$\overline{14/14} = 100\%$ of students achieved 15 of 18
				technique manipulation questions correct on
				the Final exam
				-(Fall 2018) This outcome was revised to add
				additional manipulation of the x-ray machine
				for adjustments with math work so that
				students can visualize the changes made in
				technique.

				RAD 155-(Juniors)Fall,	
	8/8 (Senior) RAD 167		of 3 or above on radiation protection	RAD 167-(Seniors)Fall	use of radiation protection in a
	11/11 (Junior) RAD 155		on their Clinical Performance	Applied Radiography	clinical setting.
on the	-100% of students received 3 or above on t		Evaluation checklist (Check list-	1)Hands on exam	
ical	radiation protection section of the Clinical		Section 10 of Clinical Performance	performance quality check	
	Evaluation checklist.		Evaluation).	with the use of Radiation	
				protection- Student	Program Goal Analysis - 1
	Results 2018	Met- Fall 18		receives a score of 3 or	
	11/11 (Senior) RAD 167			above on Evaluation	
	12/12 (Junior) RAD 155			(Check list-Section 10 of	
on the	-100% of students received 3 or above on t			Clinical Performance	
ical	radiation protection section of the Clinical			Evaluation).	
	Evaluation checklist.				
				2)Written exam	
	Results 2019	Met- Fall 19			
ical	•				
	Evaluation checklist.				
	Results 2020	Met- Fall 20			
		IVICE TAIL 20			
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ack and	-faculty will continue to provide feedback a				
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ssment	1 .				
part of	-Include Radiation protection Exam as part				
'	the assessment tools				
or or iica ack	radiation protection section of the Clinical Evaluation checklist. Results 2019 12/12 (Senior) RAD 167 13/13 (Junior) RAD 155 -100% of students received 3 or above or radiation protection section of the Clinical Evaluation checklist. Results 2020 11/11 (Senior) RAD 167 14/14 (Junior) RAD 155 -100% of students received 3 or above or radiation protection section of the Clinical Evaluation checklist. -faculty will continue to provide feedback ways to improve if needed - continue to use the competency assess as a valid tool for application of radiation protection procedures -Include Radiation protection Exam as pa	Met- Fall 19 Met- Fall 20			

4. Students will apply prior	RAD 256-Summer	-100% of Students will complete a	Met- 2017	Results 2017
knowledge to demonstrate the use	RAD 268-Fall	minimum of 7 program elective	(Summer, Fall, & Spring)	100% of students completed 7 or more
of positioning and technical factor	RAD 278-Spring-Advanced	exams and conduct a clinical rotation		program electives and successfully rotated on
manipulation for non-routine	Procedures-Clinicals	in at least 3 of 4 off shift clinical		3 of the 4 off shift clinical rotations
examinations.	-Students will determine	rotations.		
	technical factors and		Met- 2018 Spring	Results 2018
(Revised 2018)	positioning on non-routine			10/11 =91% of students made 85% or above
4. Students will demonstrate the	patients via ER/Operation	*Clinical Schedule-Off shifts		on the written assignment
use critical thinking with the use of	Room/evening/night	(Weekends, Evenings, & Nights)		
a written and oral communication	clinical rotation			
	-Checklist of exams-elective		Met- 2019 Spring	Results 2019
Program Goal Analysis- 2 & 3	exams	(Revised 2018)		12/12 =100% of students made 85% or above
		-100% of students will score at least		on the written assignment
GEO- Critical Thinking,	(Revised 2018)	85% on the assignment (written/oral		
General Speaking,	RAD 205-Spring	collectively)		
General Writing Rubric	Radiology Pathology		Met- 2020 Spring	Results 2020
-	1)Gathering information	-Score increased to 85% due to goals		11/11 = 100% of students made 85% or above
	for written and	being met in previous years		on the written assignment
	presentation assignment	(approved by Advisory committee		
	on radiologic pathology:	Fall 18)		-Students will continue to rotate on off shifts
	2) <mark>use of ATC rubric</mark>	,		to mimic a real-world work environment.
	Critical Thinking Rubric			-SLO was revised in 2018 and approved by
	General Speaking Rubric			Advisory committee
	General Writing Rubric			-Students will continue to have an additional
				written assignment prior to the final
				assignment. The assignments will continue to
				enhance their written and oral
				communication skills.
5. Students will be able to apply	RAD 235-Radiology	80% of students will score an 80% on	Met- Spring 2017	Results 2017
prior knowledge to successfully	Seminar	3 mock exams		8/8 students scored 85% and above on all
obtain a passing score on Mock	-Mock Certification Exam-	5 mock chairis		three mock exams.
Certification Exam	exam encompasses all			
CC. C. Gation Exam	classes collectively	(5 : 10040)		-Used a variety of study material to ensure
(Revised 2018)	olasses confectively	(Revised 2018)		students grasp and understand the concepts
(1.01.300 2010)	(Revised 2018)	-100% of Students will complete a		of previous lessons
	(1.01304 2010)	minimum of 7 program elective		01 p1041043 10330113

5. Students will apply prior	RAD 256-Summer	exams and conduct a clinical rotation		-Use DA Saia Registry Review
knowledge to demonstrate the use	RAD 268-Fall	in at least 3 of 4 off shift clinical		
of positioning and technical factor	RAD 278-Spring	rotation	Met- 2018	Results 2018
manipulation for non-routine	-Advanced Procedures-			12/12 students received a first time go on
examinations to include Operating	Clinicals	-Achieved a passing score on the C-		sterile procedures and C-arm training
Room Procedures		Arm and sterile procedures checklist		
	1)Students will determined			-100% of students completed 7 or more
	technical factors and			program electives and successfully rotated on
	positioning on non-routine			3 of the 4 off shift clinical rotations
	patients via ER/Operation	*Clinical Schedule-Off shifts*		
Program Goal Analysis – 1,2,& 3	Room/evening/night		Met- 2019	Results 2019
	2)Clinical rotation			12/12 students received a first time go on
	Checklist of exams-elective			sterile procedures and C-arm training
	exams			
				-100% of students completed 7 or more
				program electives and successfully rotated on
				3 of the 4 off shift clinical rotations
			Met- 2020	Results 2020
				11/11 students received a first time go on
				sterile procedures and C-arm training
				-100% of students completed 7 or more
				program electives and successfully rotated on
				3 of the 4 off shift clinical rotations
				3 of the 1 off stiff cliffical folders
				-Implement sterile procedures training with
				the Surgical Tech program; to mimic life like
				operating room procedures
				-Increase Operating room rotation to 5 weeks
				versus 3 to allow for a 1 week observation
				period prior to handling of the machine.
				-(2019)Implement a new evaluation checklist
				for C- arm and Operating Room, a more
	1	<u>I</u>	<u> </u>	12. 2 a.m. and operating noonly a more

				accurate assessment of clinical feedback for students. (suggested by advisory board) -(2019) Change: add assessment of achieve 85% of students achieve 90 % on C-arm and sterile procedures (Rad256) -SLO updated 2018 adding a 6 th SLO. Previous 2017 #5 SLO was added back.
6. Students will be able to apply prior knowledge to successfully obtain a passing score on Mock Certification Exam.	RAD 235-Radiology Seminar 1)Mock Certification Examthat encompasses all	80% of students will score an 80% on 3 mock exams	Met- 2018	Results 2018 11/11- 100% of students scored 80% on 3 mock exams
Program Goal Analysis - 4	classes collectively 2)Program Effectiveness		Met- 2019	Results 2019 11/12- 92% of the students scored 80% on 3 mock exams
			Met- 2020	Results 2020 11/11- 100% of students scored 80% on 3 mock exams
				-(2019)In preparation for the national examchanged from 80% to 85% of students achieve 85% on mock examsTest consists of 200 questions (35 pages; 4
				attached; online testing as well. www.corectec.com -(2020) Added Rad Tech bootcamp (an additional resource)

** Program analysis for 2021 expected in Fall of 2022			