

AAS: Radiologic Technology CIP: 51.3801
Health Sciences Division
Academic Year:2017-2020

☐ Reviewed by Chair
☐ Reviewed by Dean

Student Learning Outcomes	Measurement Tool	Benchmark	Results	Analysis/Action Plan	
<p>1)The student will demonstrate competency in positioning skills within a clinical setting.</p> <p>Program Goal Analysis - 1</p>	<p>RAD-155 (Junior) RAD-268 (Senior) Clinical –Exam Log/Competency</p> <p>Evaluation- 1)Patient position checklist 2)Hands on Competency Check</p>	<p>90 % of students will achieved a grade of B on their clinical</p>	<p>Met-Fall 17 Met-Spring 18</p> <p>Met-Fall 18 Met-Spring 19</p> <p>Met-Fall 19 Met- Spring 20</p> <p>Met-Fall 20 Met- Spring 21</p>	<p><u>Results 2017-2018</u> 8/8 (Senior) RAD 268 11/11 (Junior) RAD 155 -100% of students achieved the grade of B or above.</p> <p><u>Results 2018-2019</u> 11/11 (Senior) Rad 268 12/12 (Junior) Rad 155 -100% of students achieved the grade of B or above.</p> <p><u>Results 2019-2020</u> 12/12 (Senior) RAD 268 13/13 (Junior) RAD 155 -100% of students achieved the grade of B or above.</p> <p><u>Results 2020-2021</u> 11/11 (Senior) RAD 268 – 100% of students achieved the grade of B or above. 13/14 (Junior) RAD 155 – 93% of the students achieved the grade of B or above. -Added phantoms and virtual software to aide in positioning. -Updated competency checklist and included state license exam requirements to ensure all</p>	

<p>3. Students will demonstrate the use of radiation protection in a clinical setting.</p> <p>Program Goal Analysis - 1</p>	<p>RAD 155-(Juniors)Fall, RAD 167-(Seniors)Fall Applied Radiography</p> <p>1)Hands on exam performance quality check with the use of Radiation protection- Student receives a score of 3 or above on Evaluation (Check list-Section 10 of Clinical Performance Evaluation).</p> <p>2)Written exam</p>	<p>90% of students will receive a score of 3 or above on radiation protection on their Clinical Performance Evaluation checklist (Check list-Section 10 of Clinical Performance Evaluation).</p>	Met- Fall 17	<p><u>Results 2017</u></p> <p>8/8 (Senior) RAD 167</p> <p>11/11 (Junior) RAD 155</p> <p>-100% of students received 3 or above on the radiation protection section of the Clinical Evaluation checklist.</p>
			Met- Fall 18	<p><u>Results 2018</u></p> <p>11/11 (Senior) RAD 167</p> <p>12/12 (Junior) RAD 155</p> <p>-100% of students received 3 or above on the radiation protection section of the Clinical Evaluation checklist.</p>
			Met- Fall 19	<p><u>Results 2019</u></p> <p>12/12 (Senior) RAD 167</p> <p>13/13 (Junior) RAD 155</p> <p>-100% of students received 3 or above on the radiation protection section of the Clinical Evaluation checklist.</p>
			Met- Fall 20	<p><u>Results 2020</u></p> <p>11/11 (Senior) RAD 167</p> <p>14/14 (Junior) RAD 155</p> <p>-100% of students received 3 or above on the radiation protection section of the Clinical Evaluation checklist.</p> <p>-faculty will continue to provide feedback and ways to improve if needed</p> <p>- continue to use the competency assessment as a valid tool for application of radiation protection procedures</p> <p>-Include Radiation protection Exam as part of the assessment tools</p>

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

<p>5. Students will apply prior knowledge to demonstrate the use of positioning and technical factor manipulation for non-routine examinations to include Operating Room Procedures</p> <p>Program Goal Analysis – 1,2,& 3</p>	<p>RAD 256-Summer RAD 268-Fall RAD 278-Spring -Advanced Procedures-Clinicals</p> <p>1)Students will determined technical factors and positioning on non-routine patients via ER/Operation Room/evening/night 2)Clinical rotation Checklist of exams-elective exams</p>	<p>exams and conduct a clinical rotation in at least 3 of 4 off shift clinical rotation</p> <p>-Achieved a passing score on the C-Arm and sterile procedures checklist</p> <p>*Clinical Schedule-Off shifts*</p>	Met- 2018	<p>-Use DA Saia Registry Review</p> <p>Results 2018 12/12 students received a first time go on sterile procedures and C-arm training</p> <p>-100% of students completed 7 or more program electives and successfully rotated on 3 of the 4 off shift clinical rotations</p>
			Met- 2019	<p>Results 2019 12/12 students received a first time go on sterile procedures and C-arm training</p> <p>-100% of students completed 7 or more program electives and successfully rotated on 3 of the 4 off shift clinical rotations</p>
			Met- 2020	<p>Results 2020 11/11 students received a first time go on sterile procedures and C-arm training</p> <p>-100% of students completed 7 or more program electives and successfully rotated on 3 of the 4 off shift clinical rotations</p> <p>-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</p>

					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. Program Goal Analysis - 4	RAD 235-Radiology Seminar 1)Mock Certification Exam- that encompasses all classes collectively 2)Program Effectiveness	80% of students will score an 80% on 3 mock exams	Met- 2018 Met- 2019 Met- 2020	<u>Results 2018</u> 11/11- 100% of students scored 80% on 3 mock exams <u>Results 2019</u> 11/12- 92% of the students scored 80% on 3 mock exams <u>Results 2020</u> 11/11- 100% of students scored 80% on 3 mock exams -(2019)In preparation for the national exam- changed from 80% to 85% of students achieve 85% on mock exams. -Test 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					