

**RADIOGRAPHY PROGRAM  
PROGRAM ASSESSMENT RESULTS  
CLASS OF 2020  
09/2018 - 08/2019  
09/2019 - 08/2020**

Mission Statement: The Radiography Program seeks to provide each student with the didactic, laboratory and clinical education to become a qualified entry level Radiologic Technologist. The program provides each student the opportunity to develop technical skills, enhance critical thinking and strengthen interpersonal behavior through educational activities. The program will provide an environment, which will be conducive to learning, stimulate self-development and foster an appreciation of and commitment to the profession.

OUTCOME	MEASUREMENT TOOLS	BENCHMARK	RESULTS	ACTION
1.1 Students will demonstrate comprehensive knowledge of radiographic positioning and procedures	Freshmen Positioning and Anatomy Skills	Students will receive an average score of $\geq 80\%$ on positioning & anatomy skills in RAD 120	A = 86.25% P = 88.8%	Benchmark met Increase from Class of 2019
	Senior Positioning & Anatomy Skills	Students will receive an average score of $\geq 85\%$ positioning & anatomy skills in RAD 230	A = 95.08% P = 92.3%	Benchmark met; much improved from Class of 2019
	Exit Exam	70% of senior students will pass the exit exam on the first attempt RAD 230	85%; 33 of 39 passed the exit exam on 1 <sup>st</sup> attempt	Benchmark met

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OUTCOME	MEASUREMENT TOOLS	BENCHMARK	RESULTS	ACTION
	RAD 204 Test I Comprehensive Exam of first year courses	60% of students will score a grade of $\geq 65$ on this exam, given no studying preparation	85% of students scored above 65; 13% below 65	Benchmark met and much improved from Class of 2019
	Graduate Survey	Responding graduates will respond to question 2 on the graduate survey with a $\geq 4$ on a 5 point scale	<b>5 (5)</b>	Too few returns of survey
	Employer Survey	Employers responding will indicate they were satisfied with the graduate ability to perform procedures by a score of $\geq 4$ on question 2 and 7 of the employer survey (5 point scale)	<b>Q2 = 4.00 (13) Q7 = 4.46 (13)</b>	Benchmark met Question 7 improved from Class of 2019

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<b>OUTCOME</b>	<b>MEASUREMENT TOOLS</b>	<b>BENCHMARK</b>	<b>RESULTS</b>	<b>ACTION</b>
1.2 Students will demonstrate knowledge of the practice of radiation protection and patient safety skills	RAD 107 Test I principles of radiation protection	The class average grade on Test I will be $\geq 80\%$	<b>89.02%</b>	Benchmark met and increased from previous class by 6 points
	RAD 220 Test I principles of radiation biology	Students enrolled in RAD 220 will have a class average of $\geq 80\%$ on Test I	<b>85%</b>	Benchmark met and Class average improved
	Positioning Skills Question 9 in RAD 120 and RAD 230	Students will properly shield during positioning skills testing with a score of $\geq 9$ on a 10-point scale	<b>RAD 120 = 9.74</b>	
	Clinical Competency Evaluation Form - Section C #4	Students will average $\geq 3$ on a scale of 4 points in RAD 117 and RAD 227	<b>RAD 117 = 3.89</b>	No results for RAD 227 due to COVID-19
	Clinical Profile - Section I #25 of second profile	Students will score $\geq 2.5$ on a 3 point scale	<b>No results due to COVID-19</b>	

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2.1 Students will demonstrate written communication skills	Successful completion of written research paper in RAD 207	The students will receive an average score of $\geq 80\%$	92%	Benchmark met and improved by 3.5% points
	Written and Oral presentation in RAD 114	Students will average $\geq 90\%$ on the oral and written presentation	93.67%	Benchmark met and more realistic
2.2 Students will demonstrate oral communication skills	Oral presentation in RAD 200 Pathology	Students will average $\geq 85\%$ on the oral presentation	93.62%	Benchmark met; increased from Class of 2019
	Employer Survey	Responding employers will rate graduate interpersonal skills as $\geq 4$ or better for Question 4 and 5 on a 5-point scale.	Q 4 = 4.61 (13) Q 5 = 4.0 (13)	
	Clinical Competency Evaluation Form Section A #5 in RAD 117	Students will score $\geq 3$ on a 4-point scale	3.07	Benchmark met; there is a decrease by .66 from previous class

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<b>3.1 The student will apply problem solving and critical thinking skills as a member of the healthcare team</b>	RAD 204 Final Exam Class average	The class average will be a score of $\geq 80$ on their final exam	85	Benchmark met
	Clinical Profile Section I item 26 during RAD 227	Students will score a $\geq 3$ on a 4-point scale	No results for RAD 227 due to COVID-19	Students not in clinical $\frac{1}{2}$ of semester
	All Trauma Competency Evaluation	Students will average $\geq 80\%$ on all trauma competencies during their senior year of clinical for RAD 213 and RAD 227	No results for RAD 227 due to COVID-19	
<b>3.2 Students will apply sound judgment when performing radiographs on trauma, pediatric and geriatric patients</b>	Clinical Competency Evaluation Form - geriatric and pediatric cases performed by students	Students will average $\geq 80\%$ on geriatric competencies during RAD 213 and RAD 227	No completed results due to COVID-19	
		Students will average $\geq 80\%$ score on pediatric competencies during RAD 213 and 227	No completed results due to COVID-19	

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OUTCOMES	MEASUREMENT TOOLS	BENCHMARKS	RESULTS	ACTION
4.1 Students will conduct themselves in a professional/ethical manner in the health care setting	Clinical Profile Section D - Professional Ethics	Students will average $\geq 8$ on a 12-point scale - RAD 120 of second profile	11.97	Benchmark met and improved
	Final Clinical Profile Section D - Professional Ethics	Students will average $\geq 10$ of final clinical profile on a 12-point scale - RAD 230	No results due to COVID-19	Students not in clinical
	Employer Survey Question 8	Graduates will score a $\geq 4$ on a 5 point scale	Q 8 = 4.57 (13)	Benchmark met
4.2 Students will work as effective members of the health care team	Clinical Profile Section C - Attitude	Students will average $\geq 13$ or higher on a 16-point scale in RAD 120	14.82	Benchmark met; slight decrease from Class of 2019
	Final Clinical Profile Section C - Attitude	Students will average $\geq 14$ on final clinical profile of 16-point scale in RAD 230	No results due to COVID-19	
	Head Work Portfolio	Each team will score $\geq 90\%$ for their portfolio on a 100-point score during RAD 205	100 % from all three lab groups	Benchmark met; faculty member stated all students worked very hard to accomplish this task.

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- 1.1 Freshmen Anatomy and Positioning Skills: Benchmark met and increased from the Class of 2019. This is the fourth class that the anatomy and positioning skills results were separated.

Senior Anatomy and Positioning Skills: Benchmark met on positioning and anatomy skills. Will continue to practice and review in clinical and lab with regard to positioning skills. Anatomy skills were much improved from the Class of 2019, from 84.92 for the Class of 2019 to 95.00 for the Class of 2020. The program faculty will need to continue reviewing radiographs with the students to have their anatomy score continue to improve.

Exit Exam: Benchmark met, continue to stress the importance of passing the ARRT exam on the first attempt. 85% of the senior students passed the program's exit exam on their first attempt.

RAD 204 Test I: Benchmark met and much improved from the Class of 2019. For the Class of 2019, the benchmark was not met. For the Class of 2020, 85% of the students scored above 65% and only 13% fell below 65%.

- 1.2 RAD 107 Test 1 Principles of Radiation Protection: Benchmark met and increased from previous class by 6 points.

RAD 220 Test I: Benchmark met and increased class average from the Class of 2019. Faculty member will continue to monitor results of this tool and make any changes if necessary.

Positioning Skills Question #9: RAD 120 met. Stats only for RAD 120 due to COVID-19, and senior students were not in routine clinical for RAD 230.

Clinical Competency Evaluation Form: Section C #4 RAD 117; Benchmark met; will continue to monitor closely. RAD 227 - no information due to COVID-19.

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Clinical Profile Section I #25 of second profile; RAD 120 met; RAD 230 benchmark met; faculty will continue to monitor the results of this tool and is currently satisfied with results.

- 2.1 Successful completion of written research paper in RAD 207; benchmark met and improved by 3.5% points in the class average. Rubric updates with slight changes for the research paper. Faculty member will evaluate rubric and make changes if necessary.

Written and Oral Presentation: Benchmark met. Faculty member re-evaluated the requirements of this presentation and made the necessary changes. Students had a 93.67 average for this presentation. A rubric is being used. Program Director will continue to watch this carefully to make sure the pattern of nearly perfect scores does not return.

- 2.2 Oral Presentation in RAD 200 Pathology; benchmark met with a slight increase from the Class of 2019. A rubric has been developed for this presentation.

- 3.1 Clinical Profile Section I #26: No results due to COVID-19.

Trauma Competency Evaluation: Data is only available for RAD 213 and partial data from RAD 227 due to COVID-19. The students were removed from clinical in mid-March because of COVID-19.

- 3.2 Clinical Competency Evaluations: Geriatric and Pediatric Cases

- 4.1 Clinical Profile Section D for RAD 120: Benchmark met and improved; will continue to monitor results.

Final Clinical Profile Section D for RAD 230: No results due to COVID-19 and students were not in their routine clinical assignments.

Employer Survey: The program received 13 surveys back from the clinical affiliates for graduates.



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- 4.2 Clinical Profile Section C Attitude for RAD 120: Benchmark met and a slight increase from the Class of 2019. Faculty will continue to monitor results closely for this tool. Currently satisfied with the results.

Final Clinical Profile for RAD 230 Section C Attitude: No results due to COVID-19 and students were not in their routine clinical assignments.

Head Work Portfolio: Benchmark met; faculty member will review requirements and rubric. There was a 6% increase from the Class of 2019. Professor stated that the students in all three lab groups worked very hard to accomplish these outstanding grades.