

**RADIOGRAPHY PROGRAM
PROGRAM ASSESSMENT RESULTS**

9/2020– 8/2021

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CLASS OF 2022

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 a comprehensive knowledge of radiographic positioning and procedures.	Freshmen Positioning and Anatomy Skills	Students will receive an average score of 80% or higher on positioning & anatomy skills in RAD 120.	A = 85.34 P = 77.05	Benchmark met for anatomy, not for positioning.
	Senior Positioning & Anatomy Skills	Students will receive an average score of 85% or higher on positioning & anatomy skills in RAD 230.	A = 75.05 P = 92	Benchmark met for positioning not met for anatomy.
	Exit Exam	70% of senior students will pass the exit exam on the first attempt RAD 230.	71%; 24 of 34	Benchmark met.
	RAD 204 Test I Comprehensive Exam of first year courses	60% of students will score a grade of 65 or higher on this exam given no studying preparation.	78%; Class average 92.18	Benchmark met; much improved from Class of 2021

OUTCOME	MEASUREMENT TOOLS	BENCHMARK	RESULTS	ACTION
1.2 Students will demonstrate knowledge of the practice of radiation protection and patient safety skills.	Graduate Survey	Responding graduates will respond to question 2 on the graduate survey with a ≥ 4 or higher on a 5-point scale	Waiting for additional surveys to be returned.	
	Employer Survey	Employers responding will indicate they were satisfied with the graduate ability to perform procedures by a score of ≥ 4 or higher on question 2 and 7 of the employer survey (5-point scale)	Waiting for additional surveys.	
	RAD 107 Test I principles of radiation protection	The class average grade on Test I will be 80% or higher.	84	Benchmark met and decreased 11 points from Class of 2021
	RAD 220 Test I principles of radiation biology	Students enrolled in RAD 220 will have a class average of 80% or greater on Test I	89.21	Benchmark met Class average decreased by 5.31 points.
	Positioning Skills Question 9 in RAD 120 and RAD 230	Students will properly shield during positioning skills testing with a score of 9 or better on a 10-point scale.	RAD 120 = 8.67 RAD 230 = 10	Not met Benchmark met
	Clinical Competency Evaluation Form – Section C #4	Students will average ≥ 3 on a scale of 4-0 in RAD 117 & 227	RAD 117 3.02 RAD 227 3.18	Benchmark met for both.
Clinical Profile – Section I #25 of second profile	Students will Score ≥ 2.5 or better on a 3-point scale	RAD 120 = 3 RAD 230 = 3	Benchmark met for both.	

OUTCOME	MEASUREMENT TOOLS	BENCHMARK	RESULTS	ACTION
<p>2.1 Students will demonstrate written communication skills.</p> <p>2.2 Students will demonstrate oral communication skills.</p>	<p>Successful completion of written research paper in RAD 207</p>	<p>The students will receive an average score of $\geq 80\%$ or greater.</p>	<p>91.70</p>	<p>Benchmark met and increased by 1.6 points from 2021.</p>
	<p>Written and Oral presentation in RAD 114</p>	<p>Students will average ≥ 90 or higher on the oral and written presentation.</p>	<p>95.8</p>	<p>Benchmarks met. Equal to Class of 2021</p>
	<p>Oral presentation in RAD 200 Pathology</p> <p>Employer Survey</p>	<p>Students will average ≥ 85 or higher on the oral presentation.</p> <p>Responding employers will rate graduate interpersonal skills as ≥ 4 or better for Question 4 and 5 on a 5-point scale.</p>	<p>97.79</p> <p>Waiting for additional surveys</p>	<p>Benchmark met. Increased by 6.45 points from Class of 2021</p>
	<p>Clinical Competency Evaluation Form Section A #5 in RAD 117</p>	<p>Students will score equal or greater than a 3 on a 4-point scale.</p>	<p>3.89 RAD 117</p>	<p>Benchmark met.</p>

OUTCOMES	MEASUREMENT TOOLS	BENCHMARK	RESULTS	ACTION
3.1 The student will apply problem solving and critical thinking skills as a member of the healthcare team	RAD 204 Final Exam Class average	The class average will score ≥ 80 or higher on their final exam.	92.18	Benchmark met. Increased by 3.78 points from Class of 2021.
	Clinical Profile Section I item 26 during RAD227 All Trauma Competency Evaluation	Students will score a ≥ 3 or higher (4-point scale) Students will average $\geq 80\%$ or higher on all trauma competencies during their senior year of clinical for RAD 213 and RAD 227	3.18 RAD 213 = 92.4 RAD 227 = 96.6	Benchmark met and improved. Benchmark met. With an increased from Class of 2021
3.2 Students will apply sound judgment when performing radiographs on trauma, pediatric and geriatric patients.	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 Students will average $\geq 80\%$ score of pediatric competencies during RAD 213 and 227	RAD 213 = 92.3 RAD 227 = 84.4 RAD 213 = 93.19 RAD 227 = 93	Benchmark met. Decreased of 7.65 points from Class of 2021 Benchmark me. Similar results from Class of 2021.

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 ≥ 8 or higher of a 12-point scale – RAD 120 of second profile.	11.88	Benchmark not met.
	Final Clinical Profile Section D – Professional Ethics	Students will average ≥ 10 or higher on final clinical profile of a 12-point scale – RAD 230	12.0	Benchmark met.
	Employer Survey Question 8	Graduates will score a ≥ 4 or higher (5-point scale)	Waiting for additional surveys	
4.2 Students will work as effective members of the health care team.	Clinical Profile Section C – Attitude	Students will average ≥ 13 or higher on a 16-point scale in RAD 120	14.5	Benchmark met.
	Final Clinical Profile Section C – Attitude	Students will average ≥ 14 or higher on final clinical profile of 16-point scale in RAD 230	15.24	Benchmark met and improved.
	Head Work Portfolio	Each team will score 90% or higher for their portfolio on a 100-point score during RAD 204	95.16	Benchmark met with similar results from Class of 2021.

OUTCOMES	MEASUREMENT TOOLS	BENCHMARKS	RESULTS	ACTION

1.1 Freshmen Anatomy and Positioning: The anatomy score for the freshmen was met with a score of 85.34 however the positioning score was not met with a score of 77.05. This score is much lower than the class of 2021.

Senior Anatomy and Positioning Skills: The positioning score in RAD 230 was met with 1.29 points higher than the Class of 2021. The benchmark for Anatomy Skills wasn't met with a score of 75.5 which is 6.18 points below the Class of 2021. The faculty will continue to review anatomy on radiographs in the lab and clinical to help to improve this score.

Exit Exam: the benchmark was met. Twenty four of the 34 students had passed the exit exam with a passing grade on their first attempt.

RAD 204 Test I: Benchmark was met. Faculty to re-evaluate this tool for the Class of 2023. Scores were much improved from the Class of 2021.

The Graduate and Employer surveys returned to the program continues to be low. Therefore, a program analysis of the information cannot be complete based on the poor number of surveys returned.

1.2 RAD 107 Test 1: Principles of Radiation Protection: Benchmark met however decreased by 11 points from the Class of 2021. Program will re-evaluate this presentation to the new freshmen students for the Fall 2023 semester.

RAD 230 Test I: Benchmark met and decreased class average from the Class of 2021. The Class of 2022 class average decreased by 5.31 points. Faculty members will continue to monitor results of this tool and make any changes if necessary.

Positioning Skills Question # 9: The benchmark for RAD 120 was not met with a 8.67 score. The benchmark had to be a 9 or better. For RAD 230 the benchmark was met with a perfect score of 10. The faculty will continue to review radiation protection and its importance to all of the students.

2.1 Successful completion of research paper in RAD 207: Benchmark met and improved slightly by 1.6 points from the Class of 2021. Faculty members will evaluate rubric and make changes if necessary.

Written and Oral Presentation: Benchmark met. Faculty member re-evaluated the requirements of this presentation and make the necessary changes. Students had a 95.8 average for the presentation.

2.2 Oral Presentation in RAD 200 Pathology: Benchmark met with an increase of 6.45 from the Class of 2021.

3.1 Clinical Profile Section I #26: Benchmark just met with a score of 3.18 but also improved. Faculty will carefully monitor this tool.

Trauma Competency Evaluations: The benchmark met but an increase from the Class of 2021. RAD 213 increased by 1.9 points and RAD 227 increased by 4.7 points.

3.2 Clinical Competency Evaluations for Geriatric and Pediatric cases: For Geriatric competencies the benchmark was met however, a decrease of 7.65 points. Will investigate why the score was decreased by over 5 points.

Pediatric Competency Evaluations: Benchmark was met with similar results from the Class of 2021.

4.1 Clinical Profile Section D for RAD 120: Benchmark not met with a score of 11.88. The benchmark is a 12.

Final Clinical Profile Section D for RAD 230: Benchmark met with the same score as the Class of 2.21.

Employer Survey: Due to the fact that the program received a extremely small pool of completed employer surveys returned there was not enough information to do a proper analysis.

4.2 Clinical Profile Section C Attitude for RAD 120: Benchmark met. No results for the Class of 2021 due to COVID-19

Final Clinical Profile for RAD 230 Section C Attitude: Benchmark was met with a slight improvement from the Class of 2021.

Head Work Profile: Benchmark met. A slight increase in the class average from the Class of 2021.