



Associate of Applied Science in Radiologic Technology

Assessment Plan Student Learning Outcomes (SLO) and Analysis

Goal 1– Students will demonstrate entry-level clinical competency.					
Student Learning Outcomes	Measurement Tools – A minimum of 2 measuring tools/assessment methods per student learning outcome is required.	Timeframe – A formative (F) measure used (while students are in the first year of the program), and a summative (S) measure used (when students are close to program completion and/or graduates) is recommended for best practices.	Benchmark Should be a score above passing. Examples are: A percentage score, A score based on a scale, such as a Likert score (include the scale)	Actual Data Results Include the number of students evaluated	Past 3 – 5 years of Data Results – Identify each year’s results separately for comparison purposes.
1.1 Students will carry out the production and evaluation of quality diagnostic radiographs.	RAD215- Randomly chosen competency selected by the Clinical coordinator	F-Quarter 3 -First year Annually	Each student will receive a minimum of 24/30 points on selected competency	COHORT 1-9/9 students evaluated in Quarter 3. 100% of students received > 24/30 on their 3 rd earned competency.	COHORT 1-2023 – 100% Highest score 30/30 Avg. score 29.67/30 Lowest score 29 /30
	RAD265- Overall score of clinical evaluation, week 10.	S-Quarter 8 – Second year Annually	Each student will receive a minimum of 27/30 points on overall score of evaluation	Data scheduled to be evaluated January 2025	
1.2 Students will practice radiation safety principles.	RAD225- clinical eval week 12 Q. 5	F- Quarter 5- Beginning of Second year. Annually	Each student will receive at least 3 points on Question 5 of the clinical evaluation.	Data scheduled to be evaluated April 2024	
	RAD260- Radiation safety questions 1-53 from challenge test Number 3.	S-Quarter 7-Second year Annually	Each student will receive a minimum of 42.4/53 points on the radiation safety questions of challenge test Number 3	Data scheduled to be evaluated October 2024	

Student Learning Outcome 1.1

Analysis: All benchmarks for the formative measure 1.1 that was evaluated were met.

Action Plan based on Analysis: All benchmarks for formative measure 1.1 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 1.1 is scheduled to be evaluated in January, 2025.

Results/Improvement(s) noted based on the action plans that were implemented: All benchmarks for the formative measure of 1.1 that was evaluated were met; therefore, no action plan was necessary.

Re-evaluation Date: The data for the formative measure 1.1 will be reevaluated when the second cohort of students completes Quarter 3 in April, 2024.

Student Learning Outcome 1.2

Analysis: The data for 1.2 is scheduled to be evaluated in May and October of 2024.

Action Plan based on Analysis: The data for 1.2 is scheduled to be evaluated in May and October of 2024.

Results/Improvement(s) noted based on the action plans that were implemented: The data for 1.2 is scheduled to be evaluated in May and October of 2024.

Re-evaluation Date: The data for 1.2 is scheduled to be evaluated in May and October of 2024.

Goal 2– Students will communicate effectively within the academic and clinical setting.					
Student Learning Outcomes	Measurement Tools – A minimum of 2 measuring tools/assessment methods per student learning outcome is required.	Timeframe – A formative (F) measure used (while students are in the first year of the program), and a summative (S) measure used (when students are close to program completion and/or graduates) is recommended for best practices.	Benchmark Should be a score above passing. Examples are: A percentage score, A score based on a scale, such as a Likert score (include the scale)	Actual Data Results Include the number of students evaluated	Past 3 – 5 years of Data Results – Identify each year’s results separately for comparison purposes.
2.1. Students will communicate effectively with peers and patients.	RAD205-History taking skills assessment	F-Quarter 2-First year Annually	Each student will receive a minimum of 20/25 points	COHORT 2 10/10 students were evaluated in Quarter 3. 100% of students received a minimum 20/25 on their history-taking skills assessment.	COHORT 2-2023 – 100% Highest score 25/25 Avg score 23.5/25 Lowest score 20/25
	RAD255-Clinical evaluation 6 Q 7	S-Quarter 7-Second year Annually	Each student will receive at least 3 points on Question 7 of the clinical evaluation	Data scheduled to be evaluated October 2024	
2.2. Students will practice communication written and oral skills, including research and presentations.	RAD218-Research presentation	F-Quarter 4-First year Annually	Each student will receive a minimum of 52.5/70 on the research presentation	COHORT 1 10/10 students were evaluated and 90 % received a minimum of 52.5/70.	COHORT 1-2023 90% Highest score 70/70 Avg score 55.25/70 Lowest score 0/70
	RAD250-Case Study 3	S-Quarter 6-Second year Annually	Each student will receive a minimum of 80/100 points on this presentation.	Data scheduled to be evaluated July 2024	

Student Learning Outcome 2.1

Analysis: All benchmarks for the formative measure of 2.1 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 2.1 is scheduled to be evaluated in October, 2024.

Action Plan based on Analysis: All benchmarks for the formative measure of 2.1 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 2.1 is scheduled to be evaluated in October, 2024.

Results/Improvement(s) noted based on the action plans that were implemented: All benchmarks for the formative measure of 2.1 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 2.1 is scheduled to be evaluated in October, 2024.

Re-evaluation Date: The data for the formative measure 2.1 will be reevaluated when the third cohort of students completes Quarter 2 in June, 2024.

Student Learning Outcome 2.2

Analysis: The benchmark for 2.2 Formative assessment was almost met with a 90%. Results from the summative assessment will be done in July of 2024.

Action Plan based on Analysis: The data for 2.2 summative assessment is scheduled to be evaluated in July of 2024. For our Formative assessment, presentation of APA materials can be incorporated in the course to help the students succeed.

Results/Improvement(s) noted based on the action plans that were implemented: The data for 2.2 is scheduled to be evaluated in July of 2024. A full plan will be evaluated at that time.

Re-evaluation Date: The data for 2.2 is scheduled to be evaluated July of 2024.

Goal 3– Students will demonstrate problem solving and critical thinking within the academic and clinical environment.

Student Learning Outcomes	Measurement Tools – A minimum of 2 measuring tools/assessment methods per student learning outcome is required.	Timeframe – A formative (F) measure used (while students are in the first year of the program), and a summative (S) measure used (when students are close to program completion and/or graduates) is recommended for best practices.	Benchmark Should be a score above passing. Examples are: A percentage score, A score based on a scale, such as a Likert score (include the scale)	Actual Data Results Include the number of students evaluated	Past 3 – 5 years of Data Results – Identify each year’s results separately for comparison purposes.
3.1. Students will demonstrate the ability to adapt to non-routine procedures.	RAD210 - Ch. 5 Lab Competency shoulder and humerus with a special projection	F-Quarter 3-First year Annually	Each student will receive a minimum of 37.5/50 points or more on the shoulder/humerus with special projection lab competency	COHORT 1- 9/9 students were evaluated in Quarter 3. 88% of students achieved 37.5 or more on the lab competency.	COHORT 1-2023 – 88% Highest score 50/50 Avg score- 41.89/50 Lowest score 0/50
	RAD235 or RAD265 - Randomly selected elective competency from practicum III or V	S-Quarter 6 or 8- Second year Annually	Each student will receive 27/30 or better on a randomly selected competency	Data scheduled to be evaluated July 2024 or January 2025	
3.2. Students will be able to apply proper evaluation and analysis information to ensure optimal images are obtained.	RAD200- Image quality and analysis project	F-Quarter 2-First year Annually	Each student will receive a minimum of 75/100 on the project.	COHORT 2-10/10 100% of students received a minimum of 75/100	COHORT 2-2023 100% Highest score 100 /100 Avg score- 86.25/100 Lowest score 75/75
	RAD248- Image Analysis recheck 3	S-Quarter 7 -First year Annually	Each student will receive a minimum of 80/100 points on this presentation.	Data scheduled to be evaluated October 2024	

Student Learning Outcome 3.1

Analysis: All benchmarks for the formative measure 3.1 that was evaluated were not met. The summative measure 3.1 is scheduled to be evaluated in July 2024 or January 2025.

Action Plan based on Analysis: The benchmark for the formative measure 3.1 that was evaluated was not met. The action plan will be discussed when the summative measure is evaluated. The summative measure 3.1 is scheduled to be evaluated in July 2024 or January 2025.

Results/Improvement(s) noted based on the action plans that were implemented: Benchmarks for the formative measure 3.1 that was evaluated were not met. The action plan will be discussed once the summative assessment is evaluated. The summative measure 3.1 is scheduled to be evaluated in July, 2024 or January, 2025.

Re-evaluation Date: The data for the formative measure of 3.1 will be reevaluated when the second cohort of students completes Quarter 3 in April 2024.

Student Learning Outcome 3.2

Analysis: The data for the formative measure of 3.2 was met. The summative measure is scheduled to be evaluated in October of 2024.

Action Plan based on Analysis: The data for the summative measure of 3.2 is scheduled to be evaluated October of 2024.

Results/Improvement(s) noted based on the action plans that were implemented: The data for 3.2 is scheduled to be evaluated in January and October of 2024.

Re-evaluation Date: The data for 3.2 is scheduled to be evaluated in January and October of 2024.

Goal 4– Students will demonstrate professionalism as an entry level radiologic technologist.

Student Learning Outcomes	Measurement Tools – A minimum of 2 measuring tools/assessment methods per student learning outcome is required.	Timeframe – A formative (F) measure used (while students are in the first year of the program), and a summative (S) measure used (when students are close to program completion and/or graduates) is recommended for best practices.	Benchmark Should be a score above passing. Examples are: A percentage score, A score based on a scale, such as a Likert score (include the scale)	Actual Data Results Include the number of students evaluated	Past 3 – 5 years of Data Results – Identify each year’s results separately for comparison purposes.
4.1. Students will demonstrate professional attributes.	RAD220-Lab Competency Ch. 9 Criteria 3 and 6.	F-Quarter 5-Beginning Second year. Annually	Each student will receive full credit for criteria 3 and 6 in the preparation category in CH. 9 lab competency	Data scheduled to be evaluated April 2024	
	RAD260-Mock Interview	S-Quarter 7-Second year Annually	Each student will receive 85/100 or more on their mock interview.	Data scheduled to be evaluated October 2024	
4.2. Students will demonstrate work ethic skills and integrity in the clinical setting.	RAD215-Clinical Eval 4 q8, q10	F-Quarter 3-First year Annually	Each student will receive 3 points on Question 8 and Question 10 of the clinical evaluation	COHORT 1-9/9 students were evaluated in Quarter 3. 100% received 3 points on the questions of Eval 4.	COHORT 1-2023 – 100% All students received 3 points on Question 8 and Question 10.
	Employee survey Question #2 Foundation skills	S-After Graduation	The employer surveys will reflect a rating of fair or better for foundation skills.	Data scheduled to be evaluated approximately March 2025	

Student Learning Outcome 4.1

Analysis: The data for 4.1 is scheduled to be evaluated in April and October of 2024.

Action Plan based on Analysis: The data for 4.1 is scheduled to be evaluated in April and October of 2024.

Results/Improvement(s) noted based on the action plans that were implemented: The data for 4.1 is scheduled to be evaluated in April and October of 2024.

Re-evaluation Date: The data for 4.1 is scheduled to be evaluated in April and October of 2024.

Student Learning Outcome 4.2

Analysis: All benchmarks for the formative measure 4.2 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 4.2 is scheduled to be evaluated in approximately March, 2025.

Action Plan based on Analysis: All benchmarks for the formative measure 4.2 that was evaluated were met; therefore, no action plan is necessary. The summative measure 4.2 is scheduled to be evaluated in approximately March, 2025.

Results/Improvement(s) noted based on the action plans that were implemented: All benchmarks for the formative measure 4.2 that was evaluated were met; therefore, no action plan is necessary. The summative measure of 4.2 is scheduled to be evaluated in approximately March, 2025.

Re-evaluation Date: All benchmarks for the formative measure 4.2 that was evaluated were met; therefore, no action plan is necessary. The summative measure 4.2 is scheduled to be evaluated in approximately March, 2025.