

**Aiken Technical College Radiography Program
2022-2023 Outcomes Assessment Plan and Analysis
(The cycle of assessment for the plans below will be August 2022-July 2023)**

| Goal 1: The student will apply critical thinking and problem solving skills. | | | | | | |
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| Student Learning Outcomes | Measurement Tools | Timeframe | Benchmark | Actual Data Results | Past 3 – 5 years Data Results | Action Taken |
| SLO 1: Students will produce diagnostic radiographs on patients using a portable x-ray machine. | 1a. Simulated Lab Psychomotor Form | 1a. 1 st semester R130 | 1a. On a 0-100% scale the avg. score > 80% in R130 All student evaluations | 1a. R130: 100% of the students scored > 80% Goal was met. | 2022: 100% No other comparison data available at this time. | No changes. Will continue to monitor. |
| | 1b. Clinical Checkoff | 1b. 3 rd semester R230 | 1b. On a 0-100 % scale the Avg. score ≥ 90% in R230. All student evaluations | 1b. R230: | 2022: No comparison data available. | |
| SLO 2: Students will demonstrate ability to critique and analyze radiographic images. | 2a. Image Critique Chapter Test | 2a. 1st semester R130 | 2a. On a 0-100% scale the avg. score ≥ 80% in R130. All student evaluations | 2a. R130: 2 out of 12 students scored < 80%; 10 out of the 12 students scored > 80% Goal was not met, will evaluate again in Rad230 Summer Semester 2023. | 2022: 83.3% No other comparison data available at this time. | We will make no changes at this time due to this is the first year this test has been used as a tool. This is a valid tool because image analysis is an important part of the radiography profession and the ARRT registry. |
| | 2b. Image Critique Chapter Test | 2b. 3 rd semester R230 | 2b. On a 0-100% scale the avg. score ≥ 85% in R230. All student evaluations. | 2b. R230: | 2022: No comparison data available. | |

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Goal 1: The student will apply critical thinking skills.

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| Analysis – |
| Action Plan based on Analysis: |
| Results/Improvement(s) noted based on the action plans that were implemented: |
| Re-evaluation Date: |

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| Goal 2: The student will demonstrate clinical competency. | | | | | | |
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| Student Learning Outcomes | Measurement Tools | Timeframe | Benchmark | Actual Data Results | Past 3 – 5 years of Data Results | Action Taken |
| <u>SLO 1:</u> Students will produce acceptable diagnostic quality images. | 1a. Patient Positioning Section on the Student Evaluation Form evaluated by instructors | 1a. 2 nd semester R136 | 1a. On a 0-20% scale the avg. score \geq 10% in R136. All student evaluations | 1a. R136: | 2022: No comparison data available. | |
| | 1b. Patient Positioning Section on the Student Clinical Competency Form Evaluated by Clinical Technologists | 1b. 5 th semester R278 | 1b. On a 0-20% scale the avg. score \geq 15% in R278. All student evaluations | 1b. R278: | 2022: No comparison data available. | |
| <u>SLO 2:</u> Students will apply radiation safety practices in the healthcare setting. | 2a. Freshman Student Evaluation Form: Section IV, Q 8 | 2a. 2 nd semester R167 | 2a. On a 0-4-point scale the avg. score \geq 2 in R167. All student evaluations | 2a. R167: 100%, 12 out of 12 scored \geq 2 Goal was met. | 2022: 100% No other comparison data available. | No changes to be made at this time. |
| | 2b. Senior Student Evaluation Form: Section IV, Q 8 | 2b. 5 th semester R278 | 2b. On a 0-4-point scale the avg. score \geq 3 in R278. All student evaluations | 2b. R278: 83.3% 5 out of 8 scored \geq 3, 1 out of 8 scored \leq 3, 2 out of 8 did not score due to being in MRI rotation. Goal was not met. This could be due to having 2 out of 8 students in a modality rotation at the time of the assessment. | 2022: 83.3% No other comparison data available. | We will modify clinical rotations to ensure the students are not in an MRI clinical rotation at the time of assessment. This is the first year this tool has been used. This is a valid tool for assessing the students practicing radiation safety in the healthcare setting. |

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Goal 2: The student will demonstrate clinical competency.

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| Goal 3: The student will demonstrate the ability to communicate effectively. | | | | | | |
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| Student Learning Outcomes | Measurement Tools | Timeframe | Benchmark | Actual Data Results | Past 3 – 5 years of Data Results | Action Taken |
| <u>SLO 1:</u> Students will communicate effectively as part of a healthcare team. | 1a. Freshman Student Evaluation Form: Section II, Q 4 | 1a. 3 rd Semester R256 | 1a. On a 0-4-point scale the avg. score ≥ 2 in R256 All student evaluations | 1a. R256: | 1a. No comparison data available. | |
| | 1b. Senior Student Evaluation Form: Section II, Q 4 | 1b. 5 th Semester R278 | 1b. On a 0-4-point scale the avg. score ≥ 3 in R278 All student evaluations | 1b. R278: | 1b. No comparison data available. | |
| <u>SLO 2:</u> Students will demonstrate effective written communications skills. | 2a. Paper/ Grading Sheet Rubric (Educational Value/ Organization of Material) | 2a. 1 st Semester R130 | 2a. On a 0-100% scale rubric the average score $\geq 80\%$ All student papers | 2a. R130: 100%, 12 of 12 students scored $\geq 80\%$ Goal was met. | 2022: 100% No other comparison data available. | This is a new tool that uses a writing assignment to measure multiple components analysis of radiation protection principles, critical thinking, and writing skills. It is an effective tool and we will continue to use and monitor its effectiveness. |
| | 2b. Pathology Research Paper | 2b. 5 th Semester R205 | 2b. On a 0-100% scale the avg. score ≥ 90 in R205 All student papers | 2b. R205 | 2b. No comparison data available. | |

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Goal 3: The student will demonstrate the ability to communicate effectively.

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