

RT Outcomes Assessment Plan
NHTI: Concord's Community College
Radiologic Technology
Class of 2017

| Goal 1: Students will be clinically competent. | | | | | | |
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| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results | Analysis/Action Plan |
| Students will operate radiographic equipment to produce diagnostic quality images | RADT – 159 Clinical Comp Evaluation | Avg score of 22 or above on a 25 pt. scale | 1 st Year- Fall 2015 (2 nd semester overall) | Clinical Instructor Believeau | n=38 High =25 Low =22 Average =24 | Result: Benchmark exceeded Action: Continue to monitor |
| | RADT 159 Hour Exam #2 “Which of the following best demonstrates the radial head using the trauma Coyle method” | >85% of students will answer the question correctly | 1 st Year-Fall 2015 Semester (2 nd semester overall) | Classroom Instructor Moffett | N=38 36 students answered correctly (94.7%) | Result: Benchmark exceeded Action: Continue to discuss Coyle method in RADT 159 and practice in lab setting. Consider new assessment tool. |
| Students will practice patient care including radiation safety. | RADT-165 Clinical Competency Evaluation | Avg score of 22 or above on a 25 pt scale | 2 nd year – Summer 2016 semester (4 th semester overall) | Clinical Instructor Believeau | n=36 High =25 Low =22 Average =24 | Result: Benchmark exceeded Action: Continue to monitor |

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| | RADT 103 Hour Exam #2 “Use of gonadal shielding is necessary when the organ of concern lies within or near_____of the primary beam unless shielding obscures essential diagnostic information | >85% of students will answer the question correctly | 1 st Year-Summer 2015 Semester. (1 st semester overall) | Classroom Instructor Moffett | N=40 40 students answered correctly (100%) | Result: Benchmark exceeded Action: Continue to practice the use of gonadal shielding while simulating positioning in lab and emphasizing the correct placement of shielding during lecture. Students are exceeding benchmark but this tool ensures the student knowledge of proper shielding for the start of clinical rotation. |
| Students will perform diagnostic imaging procedures for a diverse population of patients | RADT 164 Clinical comp evaluation | Avg score of 22 or above on a 25 pt. scale | 1 st Year – Spring 2016 Semester. (3rd semester overall) | Clinical Instructors | n=37 High =25 Low =22 Average =23 | Result: Benchmark exceeded Action: Continue to monitor |
| | RADT 159 Hour Exam #1 “Which of the following landmarks is often easier to palpate to locate the lower abdomen on the obese patient?” | >85% of students will answer the question correctly | 1 ST year Fall Semester 2 nd Semester Overall | Classroom Instructor Moffett | | Action: This new tool will be added |
| Goal #2: Students will communicate effectively. | | | | | | |
| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results | Analysis/Action Plan |
| Students will practice effective oral communication skills. | RAD-164 Student Performance Mid/Final Semester evaluation form | Average grade of 80% or better on a scale of 100 point scale. | 1 st year fall 2015 semester (2 nd semester overall) | Clinical Instructors Believeau | n=37 High =100 Low =85 Average =85 | Result: Benchmark exceeded Action: Continue to monitor |

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| Students will use clear and concise written communication. | RADT 109 Professional case study | Average grade of 80% or better on a scale of 100 point scale. | 1 st Year – Summer 2015 Semester. (1 st semester overall) | Clinical Coordinator. Believeau | n=40 High =100 Low =80 Average =85 | Result: Benchmark was exceeded. Action: Continue to monitor |
| | RADT 209 Self-assessment paper | All students will score greater than 85% | 2 nd year spring 2017 semester (6 th semester overall) | Course Instructor Lenza | n=35 High =100 Low =72 Average =89 | Result: Benchmark was exceeded. Action: Continue to monitor |



Goal #3: Students will demonstrate critical thinking and problem solving.

| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results | Analysis/Action Plan |
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| Students will modify technical factors for non-routine examinations. | RADT 220 Air Gap Lab assessment Two | Pass/Fail All students will pass | 1 st Year – Spring 2016 Semester (3 rd semester overall). | Course Instructor. Lenza | n=37 High =P Low =P Average =P | Result: Benchmark was exceeded Action: Need to find a more discriminating tool or rubric. |
| | RADT165 - #2 Quality of Performance: 1. Utilizes good critical thinking skills by adapting to changes and varying clinical situations | Average grade of 80% or better on a scale of 100 point scale. | 2 nd Year – Summer Clinic 2016 Semester (4 th semester overall) | Clinical Instructor. Believeau | N= 36 High =100 Low=75 Average=94 | Result: Benchmark was exceeded Action: Continue to monitor and challenge students with variety of exams and clinical scenarios. |

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| | RADT 164 Hour Exam #1 “Which of the following factors will enhance the visibility of the vertebral bodies during a lateral projection of the thoracic spine” | >85% of students will answer the question correctly | 1 st Year – Spring 2016 Semester (3 rd semester overall). | Course Instructor: Moffett | n=37 32 students answered the question correctly 86% | Result: Benchmark was exceeded Action: Continue to practice the orthostatic technique during laboratory setting along with discussing in the classroom. |
| Students will demonstrate the ability to make decisions and use independent judgement. | RADT 203 Hour exam #3 “A patient’s lower leg is in traction in the hospital bed. The orthopedic surgeon orders an AP mortise projection of the ankle. But because of the traction, the lower leg cannot be rotated. The leg is in a straight “foot up” position. What can the radiographer do to achieve this AP mortise projection” | >85% of students will answer the question correctly | 2 nd Year – Summer 2016 Semester (4 th semester overall) | Course Instructor: Moffett | N=36 31 students answered the question correctly 89% | Result: Benchmark was exceeded Action: Continue to discuss and simulate trauma scenarios in the classroom and in the clinical setting. |

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| | <p>RADT 165 # 4 Uses sound reasoning in making decisions 2. Identifies pertinent clinical questions and goal of examination 3. Recognizes mistakes and takes corrective actions 4. Follows verbal/written instruction in order to correctly perform procedure 5. Differentiate between emergency and non-emergency procedures 6. Utilizes good critical thinking skills.</p> | <p>Average grade of 80% or better on a scale of 100 point scale.</p> | <p>2nd Year – Summer 2016 (4th semester overall)</p> | <p>Clinical Instructor. Beliveau</p> | <p>n=36 High = 94 Low =88 Average =90</p> | <p>Result: Benchmark was exceeded. Action: Create scenarios and test students on atypical trauma, geriatric, pediatric and mobile studies to strengthen logic and reasoning skills</p> |
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| Goal #4: Students will demonstrate professional growth and development. | | | | | | |
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| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results | Analysis/Action Plan |
| Students will identify the benefits of professional development | ASRT Directed Reading journal article. | Average pass rate of 75% or higher | 1 st Year – Fall 2015 Semester (2 nd semester overall). | Clinical Instructor Believeau | n=37 High =100 Low =85 Average =90 | Result: Benchmark was exceeded. Action: Continue to encourage students to be involved in local conferences and seminars Action: New tool will be identified for use. |
| | Graduate surveys Item V | Greater than 50% of students will participate in State and/or National organizations and report continuing education activities | 6 months' post graduation November 2017 | Program Director | n=23 n=20 yes n=20 yes n= 20 yes | 87% of graduates report being members of a national radiography professional organization 87% of graduates report being a member of a state/local radiography professional organization 87% of graduates report actively participating in continuing education activities |
| Students will display professional, ethical behavior when interacting with patients and all members of the healthcare team. | RADT 164 Final semester evaluation tool #10 Professionalism “Conducts self in appropriate manner through appropriate behavior and appearance by utilizing professional values” | Average grade of 80% or better on a scale of 100 point scale. | 1 st Year – Spring 2016 Semester. (3 rd semester overall) | Clinical Instructor Believeau | n=37 High =100 Low =85 Average =98 | Result: Benchmark was exceeded. Action; Students will be assigned to leaders within the clinical setting to mentor and guide the students toward a higher professional standard. |

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| | <p>Final semester evaluation tool #10 Professionalism “Conducts self in appropriate manner through appropriate behavior and appearance by utilizing professional values”</p> | <p>Final semester evaluation tool #10 Professionalism “Conducts self in appropriate manner through appropriate behavior and appearance by utilizing professional values”</p> | <p>2nd Year – Spring 2017 Semester (6th semester overall)</p> | <p>Clinical Instructor Beliveau</p> | <p>n=35 High =100 Low =100 Average =100</p> | <p>Result: Benchmark was exceeded Action: Continue to monitor</p> |
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| Goal #5: The program will graduate entry-level technologists. | | | | | | |
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| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results | Analysis/Action Plan |
| Students will pass the ARRT national certification on the 1 st attempt. | ARRT 1 st Time Pass Rates | Average pass rate of 80% or greater. | December each year. | Program Director | n=34 fail = 1 High 94 Low 74 Mean score 85.2 97% pass rate | Result: Benchmark was exceeded This is the highest pass rate we have had in the past 5 years 96,89, 96,86,97 5 year average 92% 3 year average 93%. Action: Continue to monitor |
| Of those pursuing employment, students will be gainfully employed within 12 months post-graduation. | Graduate Survey - Background Information | >80% of graduates will be employed. | December each year. | Program Director. | n=34 employed =34 not employed=0 100% job placement 1 student pursuing further education and is not employed | Result: Benchmark was exceeded Action: Continue to monitor. 3 and 5 year average job placement rates 100% |
| Students will complete the program within 150% of the stated program length. | Retention Rate Analyses. | >80% will complete the program. | May each year. | Program Director. | Start=40 Complete=35 Program Completion Rate=87% Delayed within 150%= 0 | Result: Benchmark was exceeded Action: Continue to monitor. 4 students failed due to poor academic performance 1 student withdrew due to |

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| | | | | | | financial reasons 5 year completion rate 85% and 3 year 89% |
| Students will be satisfied with their education. | Graduate Survey (Item V. Overall Rating) | Average score of 3.5 or higher on five point scale. | December each year. | Program Director. | n=23 High = 5 Low = 3 Average= 4.8 66% completion rate | Result: Benchmark was exceeded. Action: Continue to monitor |
| Employers will be satisfied with the graduate's performance | Employer Survey (Employer Survey Item IV. Overall Rating) | Average score of 3.5 or higher on five point scale. | March each year. | Program Director. | n= 18 High =5 Low = 3 Average=4.6 51% completion rate | Result: Benchmark was exceeded. Action: Continue to monitor |