# Outcomes Assessment Plan
## Cañada College
## Radiologic Technology Program
### Fall 2016 - Spring 2017 - Summer 2017

**Goal 1: Students will be clinically competent.**

| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results |
|---|---|---|---|---|---|
| Students will apply positioning skills. | **RADT 420. Lab** Practical Rating Form (Questions 2) | Average score of 12 or higher. (15 point scale) | 1st Year – Spring Semester (2017) **(class of 2018)** | Laboratory Instructor | **12.4 points average** **15 points high score** **7 points low score** |
| | **Clinical Coordinator Observation Form** (Question 11 and 12) – Random Sampling of three observation per student | Average score of 3.6 or higher (4 point scale) | 2nd Year – Spring Semester (**Class of 2017**) | Clinical Coordinators | **#9 – 3.8 pts average** **4.0 high score** **3.5 low score** **#10 – 4% average** **4% high score** **4% low score** |
| | **Clinical Competency Rating Form**. (Questions 7 and 17) Random Sampling of three forms | 85% will pass these two sections. (Pass or Fail rating) | 2nd year – Spring semester (**Class of 2017**) | Clinical Coordinator | **#7 – 100% passing** **#17 – 100% passing** |
| Student will select appropriate technical factors | **RADT 430.** Principles of Radiation Exposure. Exam 4 and 5 | Average score of 80% or higher | 1st Year – Spring Semester (Spring 2017) | Course Instructor | **Exam 4: (2017)** **87.27% Average score** **100% Highest score** **62.8% Lowest score** |

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| | | | **(Class of 2018)** | | 15 % of the class score less than 80%<br><br>**Exam 5: (2017)**<br>**90.93% Average score**<br>**100% Highest score**<br>**79.07% Lowest score**<br>**5% of the class score less than 80%** |
| | **Radiographic Image Evaluation Form** (Section Technical Factors) – Random Sampling of three evaluations per student | Average score of 6 or higher (8 point scale) | 1ʳˢᵗˢᵗ Year – Summer Intersession (Summer 2017)<br><br><br>**(class of 2018)** | Clinical Coordinator | **8 pts. average score**<br>**8 pts. highest score**<br>**8 pts. lowest score** |
| | **Clinical Coordinator Observation Form** (Question 12) – Random Sampling of six observation per student | Average score of 3.6 or higher ( 2.8 – 4 scale) | 2ⁿᵈ Year. Summer Intersession (Summer 2017)<br><br>**(Class of 2017)** | Clinical Coordinator | **3.6 points average score**<br>**4 pts. high score**<br>**3.1 pts. low score** |
| Students will practice radiation protection. | | | | | |
| | **RADT 420.** Lab Practical Rating Form. (Questions 4 and 5) | Average score of 11 or higher (14 points possible) | 1ˢᵗ Year. Spring (Spring 2017)<br><br>**(class of 2018)** | Laboratory Instructor | **13 pts. average**<br>**14 pts. high score**<br>**10 pts. low score** |

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| | **RADT 415.** Radiation Protection and Biology. Exam 4. | Average score of 80% or higher. | 1st Year. Spring Semester.<br><br>(Spring 2017)<br><br>**(class of 2018)** | Course Instructor | **91.19% Average score<br>100% Highest score<br>88.1% Lowest score** |
| | **Radiographic Image Evaluation Form**. Radiation Protection Section. Sampling of two forms per student | Average of 12 or higher (16 point maximum) | 2nd Year. Spring Semester<br><br>**(Class of 2017)** | Clinical coordinator | **14.90 pts. average score<br>16 pts. high score<br>13 pts. low score** |
| | **Clinical Coordinator Observation Form.** Questions 16, 17. | Average score of 3.6 or higher ( 2.6 – 4 scale) | 1st year. Fall Semester (Fall 2016)<br><br>**(class of 2018)** | Clinical Coordinator | **3.83 pts average score<br>4.0 pts high score<br>3.5 pts low score** |
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**Goal #2 : Students will communicate effectively.**

| Outcome | Measurement Tool | Benchmark | Timeframe | Responsible Party | Results |
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| Students will use effective oral communication skills with clinical staff. | **Personal and professional Growth Assessment Form. Midterm Eval.** 1-Professionalism Sections (b, c, e, f and j) | Average of 3.6 (Scale from 2.6 to 4) | 1st Year Fall Semester (Fall 2016)<br><br>Note: This class will be assessed in the fall semester of their second year to | Clinical Instructor | **B – 3.45 pts average<br>4.0 pts. high score<br>3.1 pts. low score<br><br>C – 3.36 pts average<br>4.0 pts. high score<br>2.6 pts. low score** |

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| | | | determine whether or not students are maintaining this level of proficiency. | | **E – 3.45 pts average** **4.0 pts. high score** **2.6 pts. low score** **F – 3.5 pts average** **4.0 pts. high score** **3.1 pts. low score** |
| | | | (class of 2018) | | **J – 3.5 pts average** **4.0 pts. high score** **3.1 pts. low score** |
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| Students will use effective oral communication skills with patients | **Personal and professional Growth Assessment Form.** Protection, Safety and comfort of patients Section (f and g) | Average of 3.6 (Scale from 2.6 to 4) | 1st Year. Fall Semester (Fall 2016) (class of 2018) | Clinical Instructor | **F – 3.66 pts average** **4.0 pts. high score** **3.5 pts. low score** **G – 3.66 pts average** **4.0 pts. high score** **3.5 pts. low score** |
| | **Clinical Competency Rating Form.** Sections 16 and 19 | 85% will pass these two sections. (Pass or Fail) | 2nd year. Fall semester (Fall 2016) (Class of 2017) | Clinical Instructor | **16. 100% passing** **19. 100% passing** |

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| | **RADT 410.** Laboratory Practical Rating Form. Question 1 | 80% of our students will be successful in this skill. Average of 4 points (Scale from 1 – 6) | 1st year Fall Semester <span style="color:red">(Fall 2016)</span> <span style="color:red">**(class of 2018)**</span> | Laboratory Instructor | **92% score higher than 4 points.** **8% score lower than 4 points.** |
| Students will practice written communication skills. | **RADT 440. Advance Imaging Modalities**. Students write a research paper on the Radiographic subspecialty of their choice | 80% or higher. Utilizing scoring rubric. Based on scale from 1 to 100 | 2nd Year. Fall Semester (Fall 2016) **(Class of 2017)** | Class Instructor | <u>**89% scored higher than 80%.**</u> <u>**89.8% average**</u> **74% lowest** **100% highest** |
| | **RADT 442.Radiographic Pathology.** Students write a research paper on a pathology of their interest. Rubric categories Content #2 and #3 and Mechanics #1-#4 | 80% or higher. Utilizing scoring rubric. Based on scale from 1 to 100 | 2nd Year. Spring Semester (Spring 2017) **(Class of 2017)** | Class Instructor | **Highest Score: 100%** **Lowest Score: 93%** **Average: 98%** |

| Goal #3: Students will use critical thinking and problem solving skills. | | | | | |
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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will manipulate technical factors for non-routine examinations. | **Clinical Coordinator Observation Form** (Question 8)- Random Sampling of three observation per student | Average score of 3.6 or higher ( 2.6 – 4 scale) | 2nd Year. Spring semester (Spring 2017)<br><br>(**Class of 2017**) | Clinical Coordinator | **3.75 pts. Average**<br>**4.0 high score**<br>**3.5 low score** |
| | **Critique Form for Exam with Modify Projections** due to patient's condition. Section Technical Factors | Average score of 7.2 or higher (1 – 9 scale) | 2nd Year. Spring semester (Spring 2017)<br><br>(**Class of 2017**) | Clinical Coordinator | **9 pts. average** |
| | **Critique Form for Exam in the OR** | Average score of 7.2 or higher (1 – 9 scale) | 2nd Year. Spring semester ( Spring 2017)<br><br>(**Class of 2017**) | Clinical Coordinator | **8.5. pts average**<br>**9 pts. high score**<br>**8 pts. low score** |
| Students will adapt positioning for trauma patients. | **RADT 440. Advance Imaging Modalities. Exam #1** | Average score 80% or higher (100% scale) | 2nd Year. Fall Semester (Fall 2016)<br><br>(**Class of 2017**) | Course Instructor | **High score 91.1%**<br>**Low score 65.6%**<br>**Average 82.7%** |
| | **RADT 420. Laboratory Practical** -Trauma situations | Average score of 12 or higher. (15 point scale) | 1st Year Spring Semester (Spring 2016) | Laboratory Instructor | **12.4 points average**<br>**15 points high score**<br>**10 points low score** |

| | | | (class of 2017) | | |
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| Goal #4: Students will evaluate the importance of professional growth and development. | | | | | |
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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will determine the importance of continued professional development. | **RADT. 468 Specialty Rotation** Students write a research paper on the importance of professional development. | Benchmark 10. Scale from 0 - 12 | At the conclusion of the specialty rotation (Summer 2017) **(Class of 2017)** | Clinical Coordinator | **Met Average 11.75 Scale 0 - 12** |
| | **RADT 440. Student Survey** after interviewing 3 Technologist working in advance modalities | Benchmark = 7 Scale of 0 - 10 | 2nd year Fall Semester (Fall 2016) **(Class of 2017)** | Course Instructor | **Met Average 8.5 in scale 0 -10** |
| Students will summarize the importance of attendance at professional meetings. | | | | | |
| | **Survey evaluation of the importance of CSRT conference** | Benchmark = 3 Scale of 0 - 5 | 2nd year Fall Semester (Fall 2016) **(Class of 2017)** | Program Director | **Met Average 4.0 in scale 0 - 5** |

| Goal #5: The program will graduate entry-level technologists. | | | | | |
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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will pass the ARRT national certification on the 1st attempt. | **ARRT 1st Time Pass Rates** | 90% or higher | 4 months after graduation.<br><br>(Class of 2016) | Program Director | **100%** |
| Of those pursuing employment, students will be gainfully employed within 12 months post-graduation.<br><br>Effective on 1/1/2014 the JRCERT job placement is to be evaluated after 12 months. | **Graduate Survey** | 80% or higher | 12 months after graduation<br><br>(Class of 2016) | Program Director | **100%.** |
| Students will complete the program within 25 months. | **Retention Rate** | 85% or higher | Upon graduation<br><br>(Class of 2016) | Program Director | **85% retention rate.** |
| Students will be satisfied with their education. | **Graduate Survey** | 85% or higher will be satisfy. | 12 months after graduation<br><br>(Class of 2016) | Program Director | **100%** |
| Employers will be satisfied with the graduate's performance | **Employer Survey**<br><br>**(Phone Survey)** | 85% or higher | 12 months after graduation<br><br>(Class of 2016) | Program Director | **94%** |