

Assessment Plan Analysis and Review (Fall 2020 – 2021)

Date: 9/27/2023

In attendance:

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Heidi Quadra, Imaging Manager, Kaiser Redwood City Medical Center (Zoom).

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

Outcome- Students will apply positioning skills.

1. Measuring Tool 1: **RADT 420. Lab Practical Rating Form (Question 2)**

- Benchmark was met
- All Committee agrees
- VA wants to track via paper to know exactly how many fails the student received before the passing score.
- Is Trajecsyst able to track fails?

2. Measuring Tool 2: **Clinical Coordinator Observation Forms 11&12**

Random sampling of three observations per student

- Benchmark was met
- Use PPG questions #2
- Timing is good to give students time to improve if they need to
- 50% of the class and use just the final. Increase the student pool.
- All agree to keep all 3 measuring tools.
- Lezlee suggested that we use the PPG because trajecsyst only does the pass or fail scores.

3. Measuring Tool 3: **Clinical Comp. Rating Forms 7 & 17** *Random sampling of three forms*

- **Benchmark was met**

Outcome- Student will select appropriate technical factors

1. Measuring Tool 1: **RADT 430 Principles of Radiation Exposure. Exam 4 and 5.**

- Benchmark was met, 1/15 students scored 77%= 6 % of the class
- Exam 4 only, no more exam 5

2. Measuring Tool 2: **R Radiographic Image Evaluation Form (Section Technical Factors)**

Random Sampling of three evaluations per student

- Benchmark was met.
- ALL AGREE to ELIMINATE MEASURING TOOL

3. **Measuring Tool 3: Clinical Coordinator Observation Form (Question 12) – Random Sampling of six observation per student**
 - Benchmark was met.

Outcome- Students will practice radiation protection.

1. **Measuring Tool 1: RADT 420. Lab Practical Rating Form. (Questions 4 and 5)**
 - Benchmark was met
 - Is trajecsyst able to change the N/A option for the PPG's and weekly rating form.
 - Title 17 has not changed
 - Rafael always tells the students to shield when they can.
 - When in clinic follow the overall procedure and protocol of the hospital, but shield and know the proper shielding techniques when they can.
2. **Measuring Tool 2: RADT 415. Radiation Protection and Biology. Exam 4.**
 - Benchmark was met.
3. **Measuring tool 3: Radiographic Image Evaluation Form. Radiation Protection Section.**
Sampling of two forms per student
 - Benchmark was met.
 - All voted to Eliminate measuring tool.
4. **Measuring Tool 4: Clinical Coordinator Observation Form. Questions 16, 17**
 - Benchmark was met.
 - Change to PPG
 - Change to 2nd semester spring
 - Benchmark was met. Needs discussion with Advisory committee.

Goal 2: Students will communicate effectively.

- **Change wording to- Students communication skills with clinical staff.**

Outcome: Students will use effective oral communication skills with clinical staff.

5. **Measuring Tool 1: Personal and professional Growth Assessment Form. Midterm Eval.**
1-Professionalism Sections (b, c, e, f, and j)
 - Benchmark was met.

Outcome: Students will use effective oral communication skills with patients

1. **Measuring Tool 2: Personal and professional Growth Assessment Form.**
Protection, Safety and comfort of patients Section (F and G)
 - Change timeframe to Summer 1st year RADT 438
 - Benchmark was not met, it will be discussed with the committee and our recommendation is to move this measuring tool to first year spring semester.
 - Our analysis on why the students didn't meet the benchmark, is that we feel this measuring tool is being used too early in the student's progression, considering limited clinical exposure.
 - Evaluator confusion due to multiple (3) cohorts in clinic simultaneously.

2. Measuring Tool 3: **Clinical Competency Rating Form.**
Sections 16 and 19
 - Benchmark was met.
 - Paper copies needed.
3. Measuring Tool 4: **RADT 410. Laboratory Final Practical Rating Form.**
Question 1
 - Benchmark was met.

Outcome: Students will practice written communication skills.

4. Measuring Tool 1: **RADT 440. Advance Imaging Modalities.**
Students write a research paper on the Radiographic subspecialty of their choice
 - Benchmark was met.
5. Measuring Tool 2: **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
 - Benchmark was met.

Goal #3: Students will use critical thinking and problem-solving skills.

- Change or update Goal #3 wording.

Outcome: Students will manipulate technical factors for non-routine examinations.

6. Measuring Tool 1: **Clinical Coordinator Observation Form**
(Question 8)-
Random Sampling of three observation per student
 - Benchmark was met.
7. Measuring Tool 2: **Critique Form for Exam with Modify Projections** due to patient's condition. Section Technical Factors
 - Benchmark was met.
8. Measuring Tool 3: **Critique Form for Exam in the OR**
 - Benchmark was met.

Outcome: Students will adapt positioning for trauma patients.

9. Measuring Tool 1: **RADT 440. Advance Imaging Modalities.**
Exam #1
 - Benchmark was met.
10. Measuring Tool 2: **RADT 420. Laboratory Practical**
-Trauma situations
 - Information is not available, due to strict COVID-19 policy's, we were unable to perform trauma situations.

- Physical contact was extremely limited
- Students were wearing attire that did not permit contact or positioning therefore trauma positioning was not performed in the lab.

Goal 4: Students will evaluate the importance of professional growth and development.

- Committee decided to change Goal #4 a bit: Students will evaluate different avenues of professional growth and development.

Outcome: Students will determine the importance of continued professional development.

A. Measuring Tool 1: RADT. 468 Specialty Rotation Students write a research paper on the importance of professional development (Question 10)

- Benchmark was met
- New measurement tool: Student Survey that is Y/N on whether they were introduced to new information and if they see the value of the exercise.
- Students will continue to write the research paper as one tool, but instead of the 3 interviews for the second tool, the students will pick a Professional journal, Lezlee will create the rubric/ survey that will be handed out to assess student's knowledge and view on the Journal they wrote/ read about.
- Suggestion was to have the students pick their top two modalities and instead of doing 1 modality, they can explore 2. One for two weeks out of the month and the second for the last 2 weeks of the month.

B. Measuring Tool 2: RADT 440. Student Survey

after interviewing 3 Technologist working in advance modalities

- Benchmark was met.
- Changed to the Professional Journal/ Survey assessment
- Done 2x in 428 and 448

Outcome- Students will summarize the importance of attendance at professional meetings

- Students will attend voluntary supplemental seminars. Done on class days.
- Students can attend lectures at school that were pre-planned, or find one of their choosing.
- Possibility of the funds being supported from the clubs on campus.

C. Measuring Tool 1: Survey evaluation of the importance of CSRT conference

- No survey was done but all students were awarded a conference certificate attesting to 6 hours of attendance.
- Because of the Covid-19 pandemic, the students attended the Oregon Society of Radiologic Technologists
- The conference was on April 10th 2021
- Guest speaker done in RADT 440 Tamrazi and 3D lab at Stanford, Nuc- med speaker.
- (3 planned)

Goal 5: The program will graduate entry-level technologists.

Outcome- Students will pass the ARRT national certification on the 1st attempt.

D. Measuring Tool 1: ARRT 1st Time Pass Rates

- Benchmark not met.

Outcome- Of those pursuing employment, students will be gainfully employed within 12 months

post-graduation. Effective on 1/1/2014 the JRCERT job placement is to be evaluated after 12 months.

E. Measuring Tool 2: **Graduate Survey**

- Benchmark was met

Outcome: Students will complete the program within 150% of the program's length of 25 months.

F. Measuring Tool 1: **Retention Rate**

- Benchmark was met.

Outcome- Students will be satisfied with their education.

G. Measuring Tool 1: **Graduate Survey**

- Benchmark was met.

Outcome- Employers will be satisfied with the graduate's performance

H. Measuring Tool 1: **Employer Survey**

(Phone Survey)

All Committee notes written in red.

Outcomes Assessment Plan
Cañada College
Radiologic Technology Program
Fall 2020 - Spring 2021 - Summer 2021 – Fall 2021

Goal 1: Students will be clinically competent. X					
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)	1 st Year – Spring Semester (2021) (class of 2022)	Laboratory Instructor	<u>Avg=15</u> (2 students/2 per student) *50% of the class and use just the final
	• Benchmark was met.				
- All committee agrees - VA wants to track via paper to know exactly how many fails the student received before the passing score. - Is Trajecsyst able to track fails?	Clinical Coordinator Observation Form (Question 11 and 12) – Random Sampling of three observation per student *Use PPG questions #2 &	Average score of 3.6 or higher (4 point scale)	2 nd Year – Spring Semester* *Timing is good to give students time to improve if they need to (Class of 2021)	Clinical Coordinators	<u>Avg=3.9</u> (2 students/ 2 per student) *50% of the class and use just the final. Increase the student pool.
• Benchmark was met.					
All agree to keep all 3 measuring tools.	Lezlee suggested that we use the PPG because trajecsyst only does the pass or fail scores.				

	Clinical Competency Rating Form. (Questions 7 and 17) Random Sampling of three forms	85% will pass these two sections. (Pass or Fail rating)	2 nd year – Spring semester* (Class of 2021)	Clinical Coordinator	Avg=100%.
Benchmark was met.					
Student will select appropriate technical factors	RADT 430. Principles of Radiation Exposure. Exam 4 and 5	Average score of 80% or higher	1 st Year – Spring Semester* (Spring 2021) (Class of 2022)	Course Instructor	Avg. = 86% High = 94 Low = 77
	- Benchmark was met, 1/15 students scored 77%= 6 % of the class - Exam 4 only, no more exam 5				
	Radiographic Image Evaluation Form (Section Technical Factors) – Random Sampling of three evaluations per student	Average score of 6 or higher (8 point scale)	1 st Year – Summer Intersession* (Summer 2021) (class of 2022)	Clinical Coordinator	Avg=7.7 (3 students/3 per student)

	 ALL AGREE to ELIMINATE MEASURING TOOL				
Benchmark was met.					
	Clinical Coordinator Observation Form (Question 12) – Random Sampling of six observation per student	Average score of 3.6 or higher (2.8 – 4 scale)	2 nd Year. Summer Intersession* (Summer 2021) (Class of 2021)	Clinical Coordinator	Avg=3.8 (2 students/3 per student)
Benchmark was met.					
Students will practice radiation protection.	RADT 420. Lab Practical Rating Form. (Questions 4 and 5)	Average score of 11 or higher (14 points possible) Quest 4 = 6 points Quest 5 = 8 points	1 st Year. Spring* (Spring 2021) (class of 2022)	Laboratory Instructor	Avg=11 (2 students/2 per student)
- Benchmark was met. - Is trajecsys able to change the N/A option for the PPG's and weekly rating form.	* Title 17 has not changed *Rafael always tells the students to shield when they can.				

	*When in clinic follow the overall procedure and protocol of the hospital, but shield and know he proper shielding techniques when they can.				
	RADT 415. Radiation Protection and Biology. Exam 4.	Average score of 80% or higher.	1 st Year. Spring Semester.* (Spring 2021) (class of 2022)	Course Instructor	Avg = 88% High = 97% Low = 70%
• Benchmark was met.					
	Radiographic Image Evaluation Form. Radiation Protection Section  n. Sampling of two forms per student	Average of 12 or higher (16 point maximum) 10 point maximum Average of 7.5 or higher	2 nd Year. Spring Semester* (Class of 2021)	Clinical coordinator	Avg=10 (2 students/2 per student)
• Benchmark was met.		All voted to Eliminate measuring tool.			
	Clinical Coordinator Observation Form. Questions 16, 17. *Change to PPG	Average score of 3.6 or higher (2.6 – 4 scale)	1 st year. Fall Semester* (Fall 2020) (class of 2022) *Change to 2 nd semester spring	Clinical Coordinator	Avg=3.6 (2 students/2 per student)

- Benchmark was met. Needs discussion with Advisory committee.

Goal #2 : Students will communicate effectively. X

Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
Students will use effective oral communication skills with clinical staff. • Add into weekly rating forms: student communication skills with clinical staff. • Add or already in ancillary comps.	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)	1 st Year Fall Semester* (Fall 2020) (class of 2022)	Clinical Instructor	b-3.8 c-3.5 e-3.9 f-3.5 j-3.5 Avg=3.6 (3 students)
• Benchmark was met.					
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)	1 st Year. Fall Semester* (Fall 2020) (class of 2022) *change timeframe to Summer 1st year RADT 438	Clinical Instructor	f-3.2 (3 students) g-3.5 Avg=3.4 (suspect incorrect assessment level)
• Benchmark was not met, it will be discussed with the committee and our recommendation is to move this measuring tool to first year spring semester. • Our analysis on why the students didn't meet the benchmark • We feel this measuring tool is being used too early in the student's progression, considering limited clinical exposure. • Evaluator confusion due to multiple (3) cohorts in clinic simultaneously.					

Paper copies needed.	Clinical Competency Rating Form. Sections 16 and 19	85% will pass these two sections. (Pass or Fail)	2 nd year. Fall semester (Fall 2020) (Class of 2021)	Clinical Instructor	Avg=100% (2 students/3 per student)
Benchmark was met.					
	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)	1 st year Fall Semester (Fall 2020) (class of 2022)	Laboratory Instructor	All students (100%) scored 4 points or higher
Students will practice written communication skills.	Benchmark was met.				
	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	2 nd Year. Fall Semester (Fall 2020) (Class of 2021)	Class Instructor	Avg = 91.42% High score = 100% Low score = 78.6% 88% of the class scored 80% or higher
Benchmark was met.					
	RADT 442. Radiographic Pathology. Students write a research paper on a pathology of their interest. Rubric categories Content #2	80% or higher. Utilizing scoring rubric. Based on scale from 1 to 100	2 nd Year. Spring Semester (Spring 2021) (Class of 2021)	Class Instructor	Avg = 93.14 High score = 100 Low score = 78.67

	and #3 and Mechanics #1-#4				
Benchmark was met.					

Goal #3: Students will use critical thinking and problem-solving skills. X					
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)	2 nd Year. Spring semester* (Spring 2021) (Class of 2021)	Clinical Coordinator	Avg 3.95 (2 students/2 per student)
	Benchmark was met.				
	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)	2 nd Year. Spring semester* (Spring 2021) (Class of 2021)	Clinical Coordinator	Avg=9 (2 students)
Benchmark was met.					
	Critique Form for Exam in the OR	Average score of 7.2 or higher (1 – 9 scale)	2 nd Year. Spring semester* (Spring 2021) (Class of 2021)	Clinical Coordinator	Avg=8.5 (2 students)

Benchmark was met.					
Students will adapt positioning for trauma patients.	RADT 440. Advance Imaging Modalities. Exam #1	Average score 80% or higher (100% scale)	2 nd Year. Fall Semester (Fall 2019) (Class of 2022)	Course Instructor	Avg = 88% High score = 97% Low score = 79%
	Benchmark was met.				
	RADT 420. Laboratory Practical -Trauma situations	Average score of 12 or higher. (15 point scale)	1 st Year Spring Semester (Spring 2020) (class of 2021)	Laboratory Instructor	N/A
- Information is not available, due to strict COVID-19 policy's, we were unable to perform trauma situations. - Physical contact was extremely limited - Students were wearing attire that did not permit contact or positioning therefore trauma positioning was not performed in the lab.					

Goal #4: Students will evaluate the importance of professional growth and development.

Committee decided to change Goal #4 a bit: Students will evaluate different avenues of professional growth and development.

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. (Question #10)	Benchmark 40. 3.5 Scale from 0 — 12 Scale from 0-4	At the conclusion of the specialty rotation (Summer 2021) (Class of 2021)	Clinical Coordinator	Avg=4 (3 students)
	- Benchmark was met - New measurement tool: Student Survey that is Y/N on whether they were introduced to new information and if they see the value of the exercise. - Students will continue to write the research paper as one tool, but instead of the 3 interviews for the second tool, the students will pick a Professional journal, Lezlee will create the rubric/ survey that will be handed out to assess student's knowledge and view on the Journal they wrote/ read about. - Suggestion was to have the students pick their top two modalities and instead of doing 1 modality, they can explore 2. One for two weeks out of the month and the second for the last 2 weeks of the month.				
	RADT 440. Student Survey after interviewing 3 Technologist working in advance modalities Changed to the Professional Journal/ Survey assessment	Benchmark = 7 Scale of 0 - 10	2 nd year Fall Semester (Fall 2020) (Class of 2021) Done 2x in 428 and 448	Course Instructor	Avg = 9.7 Benchmark Met
Students will summarize the	Benchmark was met				

importance of attendance at professional meetings. <i>*Students will attend voluntary supplemental seminars.</i> <i>*Done on class days.</i> <i>*Students can attend lectures at school that were pre-planned, or find one of their choosing.</i> <i>*Possibility of the funds being supported from the clubs on campus.</i>	Survey evaluation of the importance of CSRT conference Because of the Covid-19 pandemic, the students attended the Oregon Society of Radiologic Technologists	Benchmark = 3 Scale of 0 - 5	2nd year Fall Semester (Fall 2020) (Class of 2021) The conference was on April 10th 2021 *Guest speaker done in RADT 440 Tamrazi and 3D lab at Stanford, Nuc- med speaker. (3 planned)	Program Director	No survey was done but all students were awarded a conference certificate attesting to 6 hours of attendance.
No survey was done but all students were awarded a conference certificate attesting to 6 hours of attendance.					

Goal #5: The program will graduate entry-level technologists. X					
Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
Students will pass the ARRT national certification on the 1 st attempt.	ARRT 1st Time Pass Rates	90% or higher	4 months after graduation. (Class of 202)	Program Director	100%
Of those pursuing employment, students will be gainfully employed within 12 months post-graduation. 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 (Class of 2021)	Program Director	100%
Students will complete the program within 150% of the program's length of 25 months.	Retention Rate	85% or higher	Upon graduation (Class of 2021)	Program Director	94.7%
Students will be satisfied with their education.	Graduate Survey	85% or higher will be satisfy.	12 months after graduation (Class of 2021)	Program Director	100%
Employers will be satisfied with the graduate's performance	Employer Survey (Phone Survey)	85% or higher	12 months after graduation (Class of 2021)	Program Director	

SEMESTER	CLASS	2021	2022	2023
First	RADT 428*	SP 20	SP 21	SP 22
Second	RADT 438*	SU 20	SU 21	SU 22
Third	RADT 418*	FA 20	FA 21	FA 22
Fourth	RADT 448	SP 21	SP 22	SP 23
Fifth	RADT 468*	SU 21	SU 22	SU 23
Sixth	RADT 458*	FA 21	FA 22	FA 23

*** These courses were altered due to the Covid 19- pandemic.**

i.e. RADT 428 is normally a second semester course but was converted to a first semester first rotation.