

Radiologic Technology Meeting Minutes

Radiology Program Online-via email, responses Summer 2021

Sent to:

Lynn Leloo, Clinical Instructor
 Michael Loomis-Partner from Los Angeles City College
 Jewell Evans-PT Clinical Staff
 Alex Agulian-PT Adjunct Instructor, Industry Partner
 George Noujiam-Former Industry Partner
 J. C. Choi-Industry Partner
 Rolando Martinez- Industry Partner
 Bobby Milan- Industry Partner
 Samantha Guevara- Industry Partner
 Shanna Enriques- Industry Partner
 Alisa Perez- Industry Partner, Clinical Instructor
 Chuy Murillo- Industry Partner, Clinical Instructor
 Clody Johnson-PT Adjunct Staff
 Bruce Oda-Partner from Santa Barbra City College
 Eric Kawakami-Pt Adjunct Staff, Industry Partner
 Rolly Reyes-Former Industry Partner-Care Stream
 Israel Fonseca, Industry Partner
 Housni Hariri, Industry Partner
 Richard Nasr, Industry Partner
 Sal Gomez, Former Graduate-2021

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| <p>I. Welcome to an email meeting</p> | <p>Barbara sent an email to the Advisory Board member to receive back responses for program updates. Due to clinical sites being short staffed and due to Covid unable to have meetings face-to-face. Zoom meetings are not well accepted due to time restrictions at the clinical sites. There were 12 significant responses to the email meeting. Email and/or Zoom Meetings are accepted by the Accreditation Board for the Program (JRCERT).</p> |
| <p>II. Review of Minutes</p> | <p>The minutes from 2019 were physically given to members in late 2019 which included the assessment plan, program updates, pass rates for ARRT Certification Examination and Program Pass-rates. No comments other than the board was pleased with the results of the pass rate. There was no meeting scheduled in 2020, due to Covid.</p> |

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| <p>III. Program Updates (2021-2022)</p> | <p>In response to recommendation from clinical instructors and staff, the program purchased review programs, Kettering Review, Coretec, Radtech Boot Camp, and Rad Review program to assist students in their imaging knowledge concepts. Online resources were made available to both first- and second-year students. Second year students are required to complete the ASRT modules as part of their completion program</p> <p>The students will participate in a Breast Cancer event that was sponsored by the Student Health Center as part of their community service projects. Students will be available to assist attendees with questions, promotional information and hand out breast cancer pins in October/November for the event.</p> <p>Uniform colors will remain the same as from previous years, Caribbean Blue for school and Navy Blue for clinical. Many students change into hospital scrubs once they arrive at the clinical site. It has been recommended that students do not wear their own personal scrubs home after being in the clinical facility all day, or perhaps change once they arrive home.</p> <p>Current first- and second-year students will be participating in various fund-raising efforts to earn money for graduation and other school functions.</p> <p>All students are encouraged to join the ASRT & CSRT professional organizations. Scholarships are available for student members. Both organizations have lowered their student memberships cost to allow more students to join. CSRT is working to put together a package for Institutional Membership which may or may not include ASRT Memberships. ACERT will be sponsoring free courses for all students on November 12, 2021.</p> <p>The school is working on demolishing the well-known U-Building on the Colorado Blvd. campus, construction for the new building will begin shortly after and expected date of completion is 2024. The RT program will be moving back to the building as will Nursing as well as a few other programs in Allied Health Programs.</p> <p>All the current didactic courses will be updated, many of them will be moved to online learning (if possible). Many of the courses have been outdated in terms of terminology, film/screen, processors etc. Barbara & Lynn have been working throughout the spring and summer semesters to get them ready for fall Curriculum & Instruction meeting.</p> <p>A few individuals have retired from teaching at PCC. Thomas Baumann a long-time instructor for over 35 years retired from PCC and is currently working as an Administrator at a hospital. Eric Kawakami, Anatomy & Positioning Assistant is now working full time as a lead technologist at USC. Eric has been with us since he graduated from the RT program in 2007.</p> <p>Recently, we hired, Michael Loomis, he was going to be an adjunct instructor, however, that changed as he was identified as Interim Program Director at Los Angeles City College.</p> <p>Jewell Evans is a former student, and she is teaching the Mammography Course and working on the Bone Densitometry Curriculum.</p> |
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| | <p>The spring semester 2022 is moving to January and students will complete the program in early June. The current first year students (Class of 2023) will be completing the RT program in May 2023. There will be two summer sections available, however, the program will be enrolling students in the 1st summer session and second year students will not need to be enrolled in RDTC 113B after next year. (2022). This due to the increased number of hours that are not needed or required by the State of California Radiation Health Branch.</p> <p>RDTC application period is now December 6, 2022, to January 6, 2023, this time frame will allow students who are completing their current courses in fall to receive their grade at the time of the application period.</p> |
| <p>IV. Clinical Site Updates</p> | <p>Some former students have been working with current students in the clinical sites with positioning skills, helping them increase their clinical communication and confidence. The current second year students were significantly affected because of the online summer 2020 courses. It was determined that since students were officially accepted into the program that it would be difficult to not have student begin their course of studies. Receiving confirmation from administration it was decided that the courses would be online until further notice. As of (August 2021), fall courses will be part online and part face to face.</p> <p>The program has enough clinical facilities to accommodate the current students in the program, however, to grow the program needs to seek other clinical sites. Many of the current sites that have been taking our students have significantly dropped the number of students they will accept; this is in part due to Covid 19 and having for profit schools taking the spots. Some of the clinical sites have been working with the program to accommodate both schools.</p> <p>Current second year students have been informed that they can only rotate to secondary modalities after they have completed 95% of their radiology competencies. This policy has been working so far and it seems that students understand that this is a radiology program first and secondary modalities next.</p> <p>Staff has been working with clinical sites to submit clinical evaluations electronically for the student evaluation process. This seems to be accepted however, students still need to turn in the paper evaluations for their school files. All clinical evaluations will be shared with the clinical facilities and clinical instructors.</p> <p>All clinical sites will be receiving a clinical handbook in the later in the fall, this will include all documentation students need to complete, current school malpractice insurance, and State of California RHB certificates. To receive the RHB certificates the clinical sites need to be current with their registration at the state.</p> |
| <p>V. Student Progress-ARRT Pass Rates</p> | <p>Students struggle with online courses and staff has been available to assist students where needed. Most of them had difficulty with the digital courses and equipment and maintenance. As of today, all Class of 2021 students passed their boards on the first attempt and the current soon to be graduates will be the ones that transitioned to online classes during their last 1 ½ of the program. They all seemed to do well and understand the concepts due to the recommendations of online resources. Students put in more time online than when they come to class weekly. As of now the program is maintaining a 96% pass rate for the ARRT Certification Examination. The last two classes that took the boards all passed the first time.</p> |
| <p>VI. Curriculum Updates</p> | <p>All the 23 RT courses are in process of being submitted to the Curriculum & Instruction Committee for approval. The program analyzed that there are over 2200 hours with all the courses that the program offers for clinical. It has been determined by faculty members that we will be removing one clinical course from the curriculum. (RDTC</p> |

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| | <p>113A) and rename RTDC 113B just as RDTC 113 will drop the number of hours by 100. Program staff is working on completing evaluations on all courses and their required hours. Removal of the course will not affect student success because of the way the courses are in sequential order.</p> <p>It has been recommended by the Advisory Committee to look at the prerequisite required courses, often it takes 1-2 years and possibly more to complete the courses. Barbara did a survey of various schools and found that many of schools just require Anatomy, Physiology, Math, Medical Terminology and Chemistry. Physics and Physics with a Lab does not benefit students unless they plan on continuing their education in the sciences. Most of the course material in the Physics courses do not help our radiology students with the Radiology Physics. The current Physics instructor, Health Science Counselor and Dean of Health Sciences and recommendation from the Advisory Board approved for the course to be removed from the prerequisites. This will also be inline with other colleges and programs and perhaps make it easier for students to complete their prerequisite courses in a timely manner.</p> <p>All GE courses need to be completed prior to the application period, due to limited time once they are accepted into the program. The Radiation Protection Plan was recently reviewed, revised, and updated with the current terminology. Of concern is the new NRC guidelines regarding the lack need for protective shielding for patients. This area will be addressed later.</p> <p>There is a significant need for technologists especially in Mammography, however, we have limited females who enter the program.</p> |
| <p>VII. Assessment Process</p> | <p>There will be a new Assessment Plan beginning in January 2022 with the current SLO's, Course Objectives. etc.,</p> <p>The current Assessment Plan results were presented to the Advisory Committee and the following comments were noted:</p> <p>Clinical Competence – The benchmarks for clinical competence (positioning skills, selection of technical factors, and radiation protection) were met. It was noted that the CI's feel that the students are positioning patients with confidence, however, students lacked communication skills. Their confidence levels seem to be lower than the past two classes. This is due in part to the students not being able to be in the summer 2020 classes face-to-face.</p> <p>Communication Skills – The benchmarks for communication skills, both oral and written, were also lacking for this reporting period. From the comments noted above, it appears that students are having some difficulty with communicating with patients. The clinical instructors also noted that the students' repeat rates are much higher this year. This could be partially attributed to the students providing less instructions to patients. Staff will implement a new assignment in the Patient Care course that requires students to explain examination to a variety of patients (pediatrics, hard of hearing patients, adult patients with and without medical backgrounds, etc.). the lack of face-to-face classes has a significant impact on students not being able to communicate effectively with staff and students during role-play laboratory time.</p> <p>Critical Thinking – The benchmark for the student learning outcome, "Position pediatric patients," was met. It appears that students have not been experiencing problems with pediatric patients. The clinical affiliates also noted that students sometimes have issues with providing complex directions for barium studies. These concepts and laboratory assignments occur in Anatomy & Positioning, RDTC 103B, however, the students may need</p> |

additional practice to feel comfortable. The faculty will review the laboratory experiences and discuss and evaluate with the students to see what additional practice may be warranted.

The benchmark for the student learning outcome, "Adapt technical factors for non-routine patients." was met; however, we would like to see a marked increase in the actual results. Although the benchmark was met, it appears that students are still struggling with converting mAs and kVp for changes in distance and positioning. The clinical instructors will continue to appraise the program of the students' ability in this area.

Professional Growth and Development – Both benchmarks were met. There is some concern one of the student learning outcomes (SLO) is not a good measure of professional growth and development. The Committee reviewed the SLO and felt that "Students will attend a professional meeting." really does not reflect assess of professional growth and development. Additionally, the faculty felt that simply assessing attendance does not indicate any type of learning. The SLO will be revised in the next cycle to evaluate – "Students will summarize the benefits of specialty imaging modalities." This will be a graded assignment in which the students answer approximately 10 questions related to the modalities. The assignment will be required after the program has completed the advanced modality section of the course. The assignment will give assessment of the students' understanding of the various modalities.

Program Effectiveness Measures

ARRT Pass Rates – 100% first time pass rate for this year; 5-Year average is 96%. The program continues to meet its benchmark. Exit and graduate surveys indicate that Kettering review seminar during their last semester is a huge contributor to the students' success. Currently students take the RDTC 116, Review Course which currently covers all the ARRT Content Specification areas.

Employment Rates – 100% employment rates for those graduates seeking employment. There were two students that decided to continue their education and not seek employment; otherwise, all additional students have full time employment. As in the past, many of the students are hired at the clinical facilities that they train.

Program Completion Rates – 95%. The program is satisfied with this rate. Although the benchmark has been met, the Committee reviewed the four students that did not graduate from the program. The two students dropped due to family responsibilities, and the other student failed the course.

Employer Satisfaction – Benchmark met with a 90%. There was a semi- low return rate for the however, the faculty is working with the clinical affiliates and trying to increase the return rate to 95%. This was a favorable response rate, and the actual results and comments are exceptional.

Graduate Satisfaction – Benchmark was met at 100%. The results were evaluated during the summer and will review the comments. This evaluation for Graduate satisfaction is conducted as part of the student's Exit Interviews. All clinical documentation is completed during this time and students have an opportunity to evaluate the clinical preceptors, clinical sites and express their concerns regarding their training.

VIII. Assessment Plan Review

Mission Statement – The mission statement was reviewed. No issues were identified, and the statement

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| | <p>continues to be consistent with the program’s offerings and in line with the College’s mission. The college’s Mission Statement was recently updated. Clinical members felt that the mission statement send a message as to what the program represents.</p> <p>Goals – The goals for the program were reviewed. The program modified some of the wording in the goals this year to bring them in line with a fresher and more direction. Staff met to review, evaluate, and document the Assessment Plan, Program Goals, Outcomes, SLO’s, Student Radiation Protection Handbook and review the current Brochure for the program.</p> <p>Assessment Plan – The Assessment Plan is currently being reviewed and revised due to the changes in the program and course SLO’s.</p> |
| <p>IX. Recommendations and Review of the surveys sent via email</p> | <p>It was recommended by reviewing the return of the emailed evaluations the following areas should be addressed and possibly revised.</p> <p>Student Grade Point Average should be raised to 2.5, this was brought on because some students are having difficulty with communication skills, critical thinking and thinking outside the box. Many students are told to do things over and over and yet some things do not stick with the student. The raising of the GPA will be written into the program recommendations.</p> <p>Another concern that was addressed was student selection, many responses indicated that students should be interviewed prior to their acceptance into the program, However, due to Title V, this is unacceptable, as everyone needs to have equity in applying for the program. Volunteer time was removed from the program because of Covid 19. Program will continue to check with other schools to evaluate their student selection.</p> <p>Also addressed was the number of courses required for the program. It takes approximately 1 ½ to 2 ½ years for students to complete all the prerequisite courses and then it is not even certain students get into the program. It was identified that many schools are going toward the point system in student acceptance, however, our program uses random selection of students.</p> <p>It recommended that students who drop out or fail out of the program should not be given another opportunity to return. Recently this occurred, two students returned due to personal reasons and were readmitted back into the program, however, one recently dropped again.</p> <p>In reviewing the grades of incoming students, we found that students who took Physics 10 & Physics L generally had low grades for the courses C/D. The content in the current required pre-requisite Physics courses do not transfer over much to the current Physics courses the program offers. The RDTC 112A & RDTC 112B are Radiology Physics which allows the students to gain the knowledge regarding the subject material. After discussion with the HS Counselor, email responses from the Advisory Board and Dr. Micah Young, the program decided to drop the Physics requirement as recommended by the surveys returned.</p> |

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| | <p>It was recommended that since the Fluoroscopy is a stand-alone course for the program, and it is no longer required to have a separate test it was recommended that the course be deleted. This is due to the recent changes in the Radiation Health Branch a separate examination for Fluoroscopy is no longer required if students complete the program after 2011. Once a student passes the ARRT examination, they need to apply to the State of California and are automatically given a Fluoro License through the Radiation Health Branch once they pay their fees.</p> <p>Recommendations of changing first year students to two consecutive days at clinical was addressed. Staff explained that to do that the entire curriculum would need to be revised and changed. For now, Tuesday & Friday will be the days first year students will be assigned to their clinical rotations.</p> <p>Recommendation for online student evaluations: This process was well accepted via the Clinical Preceptors. This procedure will continue for the future instead of printing copies out and sending them with students. Students now can print the forms give them to the Clinical Preceptors and then upload them to Canvas. In addition, students need to print copies for their student files, one for the clinical facilities, and one for the program files.</p> <p>Venipuncture: recommendations that it be incorporated in the fall semester in the Special Procedures Class, RDT 105.</p> <p>Recommendations: MRI Program & Ultrasound (Sonography) should be considered as part of the radiology program since current students are asking for rotations to advanced modalities.</p> |
| X. Adjournment | The next meeting will be scheduled for early 2022. Time and day will be announced later. |