

PEARL RIVER COMMUNITY COLLEGE ASSESSMENT

SUMMER 2019-SPRING 2020

<p>PROGRAM: Medical Radiologic Technology Strategic Goal(s): 1, 3, 7, 8</p>	<p>Supports PRCC</p>
<p>MISSION STATEMENT: Pearl River Community College is a public institution committed to providing quality educational and service opportunities for all who seek them.</p>	
<p>STRATEGIC GOALS:</p> <ol style="list-style-type: none"> 1. To prepare students to complete a degree or certificate program and to be competent in careers for which they have been prepared. 2. To provide quality student services. 3. To provide access to college courses and programs using various instructional methods, including distance education and dual enrollment/credit courses. 4. To employ qualified faculty and staff, compensate them well, and provide opportunities for their professional development. 5. To provide facilities, technology, and support staff in order to improve student learning, enhance faculty and staff performance, and augment community services. 6. To provide adequate communication among campus personnel and community members regarding the College goals, outcomes, and activities. 7. To recruit and retain students from a diverse population. 8. To provide workforce training programs that meet requirements of business, industry, educational, and public service agencies for basic skills, specific job skills, and technical skills training. 	
<p>PURPOSE OF UNIT: To offer an allied health program that upon successful completion will qualify students for entry-level employment in business or industry and/or additional educational opportunities.</p>	
<p>RELATIONSHIP OF UNIT TO PRCC MISSION: To add an important component to the health related professions, which are offered locally. Students do not have to travel out of district to obtain this important medical specialty.</p> <p>*** This DOCUMENT IS A COMBINATION OF WHAT IS REQUIRED FOR PRCC COLLEGE DOCUMENTATION AND WHAT IS REQUIRED BY THE JRCERT FOR RADIOLOGY PROGRAMS. The format is slightly different but the general information is all included.</p>	

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Our Radiology assessment plan includes measurement and assurance of our students in the affective, cognitive, and psychomotor domains. These evaluations evaluated within the classroom as well as in the clinical environment. Our courses require some degree of ability in all three of the domains. Our current areas of evaluation demonstrated in the following grid of evaluation.

Student evaluations leading to clinical competency reevaluated in subsequent semesters to assure the student maintains competency in achieved positions and procedures. The purpose of this is to graduate competent radiographers which are ready for entering the profession with minimal on the job training at their respective places of employment.

PROGRAM MISSION STATEMENT:

The mission of the Radiologic Technology program at Pearl River Community College is to provide a quality educational experience in the radiological science profession and to help the student succeed both academically and clinically as an entry level radiographer.

PROGRAM GOALS: Our Program promotes its mission by:

1. **Students will be clinically competent.**
2. **Students will demonstrate critical thinking skills.**
3. **Students will communicate effectively.**
4. **Students will model professionalism.**
5. **Meet needs of communities of interest**

Our mission includes preparation in the affective, cognitive, and psychomotor domains and our goal is to produced clinically competent technologist that model professionalism constantly and consistently. We strive to assist our students to develop problem solving skills that will allow them to communicate effectively and successfully with the patient and that will allow them to meet the needs and demands of our profession in our surrounding community.

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PROGRAM STUDENT LEARNING OUTCOMES – Measurable indicators (More specific description of impact on student) WHAT should a student know, think, or be able to do upon completion of program/course?	MEASUREMENT TOOL: ASSESSMENT CRITERIA –Criteria for Evaluation (Variables related to success of intended outcome) HOW will attainment of the outcome be measured?	BENCHMARK: ASSESSMENT RESULTS – Outcomes Assessment (States how well intended results were achieved) WHAT was level of attainment of outcome?	TIME FRAME:	RESPONSIBLE PARTY:	RESULTS:	USE OF RESULTS – Actionable Knowledge (How knowledge gained will be used to improve program performance). Make a CHANGE or IMPROVE.
GOAL 1: Radiology students will be clinically competent.						
A. Students will position properly and be successful on final terminal competency examination for the clinical component.	Terminal clinical competency procedure RGT 2147 (11076)	(77%) 13 of 17 students will score of 80% or higher on terminal clinical competency procedure annually in RGT 2147 (11076) during Spring Semester (Prior to Graduation.)	RGT 2147 (11076) Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads	CLINICAL COORDINATOR	(92%) 12/13 students scored 80% or higher on terminal clinical competency procedure annually during Spring Semester (Prior to Graduation.)	Clinical Instructors and Faculty will all continue to encourage the students to utilize quality techniques and exceptional patient care skills when dealing with every patient.
B. Students will select proper technical values (Rex values) for procedure of interest.	Terminal clinical competency procedure RGT 2147 (11076)	(77%) 13 of 17 students will select the accurate technique on terminal competency. Annually during Spring Semester (Prior to Graduation.)	Spring Semester (Prior to Graduation.) Terminal clinical competency procedure RGT 2147 (11076) 2020 graduates - 13 grads	CLINICAL COORDINATOR	(100%) 13/13 students selected accurate technique on terminal competency.	Clinical Instructors will encourage the students to utilize quality techniques and exceptional patient care skills when dealing with every patient.

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<p>C. Students will use appropriate radiation protection methods while in the clinical setting.</p>	<p>Terminal clinical competency procedure Terminal clinical competency procedure RGT 2147 (11076) Terminal clinical competency procedure</p>	<p>(88%) of students will accurately shield patient on terminal competency. (88%)of students will accurately collimate the projections on terminal competency.</p>	<p>Spring Semester (Prior to Graduation.) Terminal clinical competency procedure RGT 2147 (11076) 2020 graduates - 13 grads</p>	<p>CLINICAL COORDINATOR CLINICAL COORDINATOR</p>	<p>(85%) 11/13 students accurately shielded the patient on terminal competency. (46%) 6/13 students accurately collimated the projections on terminal competency.</p>	<p>Instructor feels that she needs to address radiation protection and the importance of shielding to the students and send an email to the clinical instructors to stress the importance with the technical staff. Instructor decided to implement remediation on the Radiation Protection Module in the Fall and Spring semester prior to the terminal competency examination to reintegrate the importance of collimating.</p>
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GOAL 2. Students will demonstrate critical thinking skills.

<p>A. Students will successfully analyze and solve clinical setting problems and scenarios.</p>	<p>RGT 2542 (21176)- critically thinking analogy examination Patient Care Clinical Situation for Modification of Procedure and problem solving situation.</p>	<p>(88%) of students will score 80% or higher on a critically thinking analogy examination in the 2nd Spring semester. 100% of students will successfully complete these specific objectives in the clinical setting.</p>	<p>Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads</p>	<p>CLINICAL COORDINATOR</p>	<p>(8%) 1/13 students scored 80% or higher on a critically thinking analogy examination in the 2nd Spring semester. (100%) 13/13 of the students completed the critical situations for modification and problem solving.</p>	<p>Due to Covid-19, the students were not allowed ample time to improve the critical thinking on situations in testing format. The instructor feels there is a need to incorporate a hands-on component to this examination to ensure the students are truly understanding the concepts therefore we are adding in critical thinking competencies for clinical aspect. .</p>
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						Clinical Competencies for critical; thinking for Patient Care Clinical Situation for Modification of Procedure and problem solving situation were evaluated for this goal proof. .
B. Students will successfully perform and complete mobile/portable ORTHO examinations.	clinical portable ORTHO competency procedure	(88%) of students will score 80% or higher on the clinical portable competency procedure by the final semester of the program.	Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads	CLINICAL COORDINATOR	(100%) 13/13 students scored 80% or higher on the clinical portable competency procedure by the final semester of the program.	Instructor has developed a specific lab and competency to test the skills in a critical thinking situation. The Program is in the beginning stages of building a simulation lab that will incorporate more hands on with portable imaging for the increase in competency of our students and future graduates.
C. Students will successfully perform and complete competencies on trauma cases.	clinical LUMBAR x-table spine competency	(88%) 15 of 17 students will score 80% or higher on the clinical x-table spine competency procedure by the final	Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads	CLINICAL COORDINATOR	(100%) 13/13 students scored 80% or higher on the clinical x-table spine competency procedure by the final semester of the program.	Increased Laboratory activities have been developed that stress the importance of immobilization of the patients while performing trauma radiography and continue to encourage and simulate examples in lab setting. The Program is in the beginning stages of building a simulation lab that will incorporate more hands on with portable imaging for the increase

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		semester of the program.				in competency of our students and future graduates.
GOAL 3: Students will communicate effectively.						
A. Students will effectively communicate verbally by patient interaction.	terminal competency exam	(82%) 14 of 17 students will effectively and successfully communicate with the patient on terminal competency exam.	Spring Semester (Prior to Graduation.) 2020 graduates - 13 grads	COURSE INSTRUCTOR	(100%) 13/13 students effectively and successfully demonstrated communication with the patient on terminal competency exam.	Instructors will include and will encourage discussion with the students to review over the importance of the patient and the care in the clinical setting to ensure the students understand the importance.
B. Students will effectively communicate in written form.	Program research paper	(82%) 14 of 17 students will effectively and successfully communicate by completing a research paper with a minimum score of 80.	RGT 1523 SPRING 2019	COURSE INSTRUCTOR	(100%) 16/16 were successful	Instructor will explain the details needed on this written report in greater detail and express the importance of grammar and flow with writing. The rubric will be covered in greater detail.
C. Students will effectively communicate in presentation form.	Presentation of research paper in	(82%) 14 of 17 students will effectively and successfully	Analyzed and reported during	COURSE INSTRUCTOR	(94%) 15/16 students were successful in creating and presenting information in verbal for	Continue to assist students in developing presentation material after lab times.

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	powerpoint format.	present their research paper topic in PowerPoint format with a minimum score of 80.	the interim summer course SPRING 2020		by presenting their research paper topic in PowerPoint format with a minimum score of 80.	
GOAL 4: Students will model professionalism.						
A. Students will regularly attend class.	Course Attendance Reporting Tool	(82%) 14 of 17 students will have ≤ 2 absences in Fundamentals of Radiography Component of the Program.	SUMMER 2020 FRESHMAN	COURSE INSTRUCTOR	(100%) 17/17 students will have ≤ 2 absences in Radiation Protection/Fundamentals Component of the Program.	Due to Covid-19, the course was changed to hybrid format and students were counted present if they completed coursework. The course instructor will encourage the students and stress the importance of attendance to make sure they have a complete understanding of the Radiation Protection material.
	Course Attendance Reporting Tool	(82%) 14 of 17 students will have ≤ 2 absences in Clinical V Component of the Program.	SPRING 2019 SOPHOMORES \ GRADUATES	CLINICAL COORDINATOR	(100%) 13/13 students will have ≤ 2 absences in Clinical I Component of the Program. (2019 fall)	Due to Covid-19, the course was changed to hybrid format and students were counted present if they completed coursework AND COMPLETED REQUIRED COMPETENCIES FOR GRADUATION. Continue to cover attendance policy during the orientation phase of

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						the program. Encourage the students and stress the importance of Attendance to make sure they have a complete understanding of clinical rules and policies.
B. Students will Interact well with technologist and supervisory staff.	RGT 23157 Technologist Evaluation Form Average	(88%) 15 of 17 students will score 80% or higher on the technologist evaluation form average for Clinical V component of the program.	2020 graduates - 13 grads	CLINICAL COORDINATOR	(92%) 12/13 students will score 80% or higher on the technologist evaluation form average for Clinical V component of the program. 2 nd Spring	Instructor has decided to make additions to the policy and procedure manual to support positive interaction in the clinical and classroom setting.
C. Students will understand ethics in a comprehensive manner.	RGT 1213 SOCIAL AND LEGAL ASPECT - Comprehensive Examination. ***next year possible change to ethical situation project.	(88%) 15 of 17 students will score 90% or higher in regards to ethical behavior on comprehensive final exam.	Fall SOPHOMORE	COURSE INSTRUCTOR	(53%) 7/13 students will score 90% or higher on Ethics Final comprehensive exam.	Instructor is incorporating a new clinical assignment to help with the understanding and is working on develop a new testing method that specifically targets ethical terminology that will be on the ARRT examination. ***next year possible change to ethical situation project.
GOAL 5: Meet needs of communities of interest.						
A. Students will meet the needs of the community of interest by becoming competent	ARRT Report	≥ 75% pass rate on ARRT Exam	2019 graduates - 14 grads FOR	PROGRAM DIRECTOR	14/14 (100% current year.)	Course Instructors will administer additional test in a hands-on manner and incorporating a comprehensive verbal

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technologist by passing ARRT exam on the first attempt.		on first attempt (5 yr Aver)	PREVIOUS GRADUATING GROUP		(91%) five year average (2015-2019) of students passing the ARRT examination the first attempt.	final exam that the student must pass prior to graduation.
B. Students will meet the needs of the community of interest by being hired and employed in the radiology profession within 12 months of graduation.	Program Survey Tool	≥ 75% were employed in the radiology field by 1 year post graduation. (5 year average)	2019 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	14/14 (100% current year.) (100%) A five year average (2015-2019) of students employed in the profession within 1 year of graduation from the program.	Program Director and Coordinator will continue encourage the students to further their education and will post job openings for them to apply for career and professional development.
C. Students will meet the needs of the community by producing Registered Technologist that Complete program within 150% of the required time	Student Reporting Tool	≥ 75 % of students completed the program within 150% of required time.	SUMMER- 2019 graduates - grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	14/17 (82% current year.) (79%) five year average (2015-2019) of students completed the program within 150% of required time.	Faculty will encourage students to continue to complete goals and to do their best in their coursework and clinical setting. However; 2 students withdrew for personal reasons and 1 were dismissed due to failure to meet qualifications/violation to move forward in the program. Faculty make every effort to remediate and assist students in the Radiology program but are unable to retain if

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						they choose to withdraw or do not pass the coursework.
D. Students/Graduates will provide positive educational satisfaction rate.	Post Graduate Survey	≥ 75 % of students were pleased and positive (scored program > 2.9 on 4 point scale) on post graduate survey.	SUMMER 2019 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	(10/10) 100% of the students that returned surveys indicated they were pleased with the education they received while during in the program. (100% stated their "level of Preparedness" was Good or Excellent to enter work-force as an entry level technologist)	Director implemented an new tool used to ask a Yes or No question for this year evaluation.
E. Students will receive a positive employer satisfaction rating from their employers.	Graduate Employer Survey	≥ 75 % of employers and managers of community of interest were pleased and positive with new employees training and performance. (scored program >4.9 on 10 point scale)	SUMMER 1 YEAR POST GRADUATION 2019 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	(8/8) 100% of the employer satisfaction surveys indicated that employer were pleased with the education and training of new employees as entry level radiographers in the profession.	Program officials emailed and communicated via txt message to obtain this survey analysis and will have surveys completed at advisory committee if needed to assist with these survey analogies and program improvements.