

PEARL RIVER COMMUNITY COLLEGE, RADIOGRAPHY
Outcomes Assessment Plan
SUMMER 2015-SPRING 2016

Our 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	(77%) 13 of 17 students will score of 80% or higher on terminal clinical competency procedure annually during Spring Semester (Prior to Graduation.)	Spring Semester (Prior to Graduation.) 2016 graduates - 16 grads	CLINICAL COORDINATOR	(100%) 16 of 16 students scored 80% or higher on terminal clinical competency procedure annually during Spring Semester (Prior to Graduation.)	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	(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.) 2016 graduates - 16 grads	CLINICAL COORDINATOR	(100%) 16 of 16 students selected accurate technique on terminal competency.	Continue to encourage the students to utilize quality techniques and exceptional patient care skills when dealing with every patient.
C. Students will use appropriate radiation protection methods	Terminal clinical competency	(88%) 15 of 17 students of will accurately shield patient on terminal	Spring Semester (Prior to Graduation.)	CLINICAL COORDINATOR	(69%) 11 of 16 students accurately shielded the patient on terminal	Instructor is going to address radiation protection and the importance of shielding to the students and send an email to the clinical instructors to stress

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while in the clinical setting.	procedure Terminal clinical competency procedure	competency. (88%) 15 of 17 2016 graduates - 16 grads students will accurately collimate the projections on terminal competency.		CLINICAL COORDINATOR	competency. (100%) 16 of 16 students accurately collimated the projections on terminal competency.	the importance with the technical staff.
GOAL 2. Students will demonstrate critical thinking skills.						
A. Students will successfully analyze and solve clinical setting problems and scenarios.	critically thinking analogy examination	(88%) 15 of 17 students will score 80% or higher on a critically thinking analogy examination in the 2 nd Spring semester.	Spring Semester (Prior to Graduation.) 2016 graduates - 16 grads	CLINICAL COORDINATOR	(100%) 16 of 16 students scored 80% or higher on a critically thinking analogy examination in the 2 nd Spring semester.	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.
B. Students will successfully perform and complete mobile/portable examinations.	clinical portable competency procedure	(88%) 15 of 17 students will score 80% or higher on the clinical portable competency procedure by the final semester of the program.	Spring Semester (Prior to Graduation.) 2016 graduates - 16 grads	CLINICAL COORDINATOR	(100%) 16 of 16 students scored 80% or higher on the clinical portable competency procedure by the final semester of the program.	Develop a specific lab and competency to test the skills in a critical thinking situation.

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C. Students will successfully perform and complete competencies on trauma cases.	clinical 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 semester of the program.	Spring Semester (Prior to Graduation.) 2016 graduates - 16 grads	CLINICAL COORDINATOR	(88%) 14 of 16 students scored 80% or higher on the clinical x-table spine competency procedure by the final semester of the program.	Stress the importance of immobilization of the patients while performing trauma radiography and continue to encourage and simulate examples in lab setting.
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.) 2016 graduates - 16 grads	COURSE INSTRUCTOR	(100%) 16 of 16 students effectively and successfully demonstrated communication with the patient on terminal competency exam.	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	SPRING 2016	COURSE INSTRUCTOR	(71%) 10 of 14 were successful in demonstrating written communication skills by	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.

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		with a minimum score of 80.			successfully completing a research paper with a minimum score of 80.	
C. Students will effectively communicate in presentation form.	Presentation of research paper in powerpoint format.	(82%) 14 of 17 students will effectively and successfully present their research paper topic in PowerPoint format with a minimum score of 80.	Analyzed and reported during the interim summer course SPRING 2016	COURSE INSTRUCTOR	(100%) 14 of 14 students were successful in creating and presenting information in verbal for by presenting their research paper topic in PowerPoint format with a minimum score of 80.	Continue to assist students in developing presentation material after lab times.
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 Radiation Protection Component of the Program. (82%) 14 of 17	SUMMER 2015	COURSE INSTRUCTOR	(100%) 17 of 17 students will have ≤ 2 absences in Radiation Protection Component of the Program. (94%) 16 of 17	Encourage the students and stress the importance of attendance to make sure they have a complete understanding of the Radiation Protection material. Continue to cover attendance policy during the orientation phase of the program.

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	Course Attendance Reporting Tool	students will have ≤ 2 absences in Clinical I Component of the Program.	FALL 2015 FRESHMAN	CLINICAL COORDINATOR	students will have ≤ 2 absences in Clinical I Component of the Program. (2015 fall)	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.	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.	2016 graduates - 16 grads	CLINICAL COORDINATOR	(100%) 16 of 16 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.	Ethics Final comprehensive exam.	(88%) 15 of 17 students will score 90% or higher on Ethics Final comprehensive exam.	FALL SOPHOMORE	COURSE INSTRUCTOR	(63%) 10 of 16 students will score 90% or higher on Ethics Final comprehensive exam.	Class Average was an 87. Most students made in the mid 80's on test. Instructor is develop a new testing method that specifically targets ethical terminology that will be on the ARRT examination.
GOAL 5: Meet needs of communities of interest.						
A. Students will pass ARRT exam on the first attempt.	ARRT Report	$\geq 75\%$ pass rate on ARRT Exam	2015 graduates - 14 grads FOR	PROGRAM DIRECTOR	A five year average (2011-2016) of students passing	Administer additional test in a hands-on manner and incorporating a comprehensive verbal final exam that the student must pass prior to

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		on first attempt (5 yr Aver)	PREVIOUS GRADUATING GROUP		the ARRT examination the first attempt is <u>95%</u>	graduation.
B. Students will be 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)	2015 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	A five year average (2011-2015) of students employed in the profession within 1 year of graduation from the program is <u>95 %</u> .	Continuation to encourage the students to further their education and post job openings for them to apply for.
C. Students will Complete program within 150% of the required time	Student Reporting Tool	≥ 75 % of students completed the program within 150% of required time.	SUMMER- 2015 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	A five year average (2011-2015) of students completed the program within 150% of required time is <u>81%</u>	Encourage students to continue to complete goals and to do their best in their coursework and clinical setting.
D. Students/Graduates will provide positive educational satisfaction rate.	Post Graduate Survey	≥ 75 % of students were pleased and positive (scored program > 2.9	SUMMER 2015 graduates - 14 grads FOR PREVIOUS GRADUATING	PROGRAM DIRECTOR	<u>92%</u> of the students that returned surveys indicated they	New Program Director is evaluating the process and manner in which all of the courses are planned throughout the program and considering rearranging the course sequence to better serve and help the student with

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		on 4 point scale) on post graduate survey.	GROUP		were pleased with the education they received while during in the program. (>2.9 out of 4)	understanding of concepts.
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 >2.9 on 4 point scale)	SUMMER 1 YEAR POST GRADUATION 2015 graduates - 14 grads FOR PREVIOUS GRADUATING GROUP	PROGRAM DIRECTOR	<u>88%</u> of the employers returned surveys indicated they were pleased with the education and training their new employees while during in the program. (>2.9 out of 4)	Continue to reach out to advisory committee to assist with these survey analogies.