

College of Southern Idaho

Radiologic Technology Program Outcome Assessment Plan Class of 2014

Mission: To prepare students to become graduates for entry-level employment as ARRT Registered Technologists in Radiography.

Category 1: Graduate Performance

Goal 1: Program effectiveness will be measured on an ongoing basis.

Outcome	Tool	Benchmark	Time Frame	Responsibility	Result	Action
1. Enrolled students will complete the program.	CSI Institutional Research Graduation Report	80 % annual graduation rate.	Commencement (May)	Program Director	Yes 14/14 = 100%	None
2. Graduates will pass the ARRT exam in radiography on the first attempt.	A. Annual first time pass rate.	A. 80 % Annual first time pass rate.	January 1 to December 31 for graduating class.	Program Director	A. Yes Annual first time pass rate = 86%	A. None
	B. 5 year first time pass rate.	B. 80 % 5 year first time pass rate.			B. Yes 5 year first time pass rate = 89%	B. None
	C. Annual program mean scaled score.	C. 80 Annual program mean scaled score.			C. Yes Annual program, mean scaled score = 86%	C. None
	D. 5 year program mean scale score. [Note: Data from the ARRT Radiography Examination Summary.]	D. 80 % 5 year program mean scaled score.			D. Yes 5 year program mean scaled score (1/2010 to 12/2014) = 84 %	D. None

	D. All unsatisfactory competency exams. #1,2,9.	evaluations. D. 2% first time unsatisfactory rate of patient care tasks of all comps. (Note: We are counting comps, not tasks because it only takes one unsatisfactory to fail a comp. And, students may fail in one or more of the three areas for each Unsat comp.)	D. Third, Fourth or Fifth semester	D. Clinical Coordinator	D. Lost Unsatisfactory Comps.	D. None. Note: ARRT Patient Care section score was 8.8 (7.5 is passing).
2. Students will demonstrate quality positioning.	A. RADT 162 Radiographic Procedures II Unit Exams # 12 - 16. B. All unsatisfactory competency exams. #5, 6, 7.	A. 80 % Combined average score. B. 2% first time unsatisfactory rate of positioning tasks.	A. Fourth semester B. Third, Fourth and Fifth semester	A. Didactic Instructor B. Clinical Coordinator	A. Yes 14/14 90.23 B. Lost Unsatisfactory Comps.	A. None B. None Note: ARRT Procedures section score was 8.2 (7.5 is passing).
3. Students will apply appropriate radiation safety principles.	A. RADT 152 Radiation Protection Unit Exams # 7 and 8. B - 1 All unsatisfactory competency exams #3, 4, 8.	A. 80 % Combined average score. B-1. 2% first time unsatisfactory rate of radiation safety	A. Second semester B-1. Third, Fourth and Fifth semester.	A. Didactic Instructor B-1. Clinical Coordinator	A. Yes 14/14 89.5% B-1. Lost Unsatisfactory Comps	A. None B-1. None Note: ARRT Radiation Protection

	B - 2 Final grade determination form B. #1	tasks. B-2. Score of 3 on a scale of 1 – 4 (Excellent to Unsatisfactory)	B-2. Fifth semester.	B-2. Clinical Coordinator	B-2. Yes 14/14 4.43	section score was 8.8 (7.5 is passing). B-2. None
4. Students will demonstrate the ability to evaluate image quality.	A. RADT 153 Image Analysis Unit and Final Exams 1-15, Final Exam A and B.	A. 80 % Combined average score.	A. Second semester.	A. Didactic Instructor	A. Yes 14/14 Mean = 92.7% = A	A. None
	B. All unsatisfactory competency exams image quality assessment factors.	B. 2% First time unsatisfactory rate of image quality assessment factors.	B. Third, Fourth and Fifth semester.	B. Clinical Coordinator	B. No 25/698 = 3.6% (Note: This data was obtained before all unsatisfactory competencies were lost.)	B. Note: After reviewing this data, at the end of fall-2015 semester, a new clinical education outcome for assessing positioning errors was developed for Class of 2016 to reinforce evaluation of image quality. Note: ARRT Image Acquisition &505.18

Category 3: Problem Solving and Critical Thinking						
Goal 3: Students will possess problem solving and critical thinking skills.						
Outcome	Tool	Benchmark	Time Frame	Responsibility	Result	Action
1. Students will apply ALARA exposure techniques resulting in quality images using optimum kVp/Low mAs for the exposure index range (S#, LgM, IE).	A. RADT 164 Imaging and Processing Unit Exams # 5, 6. (Note: Exposure Techniques and AEC units)	A. 80 % Combined average score.	A. Fourth Semester	A. Didactic Instructor	A. Yes 14/14 = 100% Mean = 87.85%	A. None.
	B. Final Grade Determination Form B. # 2 (Student thinks critically.)	B. Score of 3 on a scale of 1 –4 (Excellent to Unsatisfactory)	B. Fifth Semester	B. Clinical Coordinator	B. Yes 3.71 14/14 = 100%	B. None
2. Students will assess the quality of radiographic images.	RADT 182 Clinical Education III # 4 Mock Exam / Section 3: Image Production and Evaluation.	7.0 Combined average ARRT normalized section score.	Fifth Semester	Clinical Coordinator	Yes 14/14 Mean = (7.4) 8.4	None
3. Students will adjust equipment operation and quality control factors.	RADT 182 Clinical Education III # 4 Mock Exam: Section 2: Equipment Operation and Quality Control	7.0 combined average ARRT normalized section score.	Fifth semester	Clinical Coordinator	Yes 14/14 Mean = (6.8) 7.8	None

Category 4: Communication Skills						
Goal 4: Students will communicate and interact effectively with patients and staff.						
Outcomes	Tools	Benchmark	Time Frame	Responsibility	Result	Action
1. Students will engage in productive radiography-related discussions with patients, staff and each other.	Clinical Education Grade determination Form B # 5.	Score of 3 on a				

Program Effectiveness Measures
(Category I: Graduate Performance)

Program Completion Rates	Benchmark for 1.1.1. of 80 % annual graduation rate was met at 100%
ARRT Pass Rates Employment Rates	All 4 benchmarks for 1.1.2. was met. Benchmark for 1-1-3 of 80 % of those seeking employment of those surveys returned (excluding military and continuing education) was

Category IV: Communication Skills	
Summary	All 3 benchmarks reflecting 2 outcomes for Category IV: Communication Skills was met. The program appears effective in having students communicate effectively orally and in writing with patients, staff and faculty.
Category V: Professional Growth and Development	All 3 benchmarks for this goal were met.