College of Southern Idaho
Radiologic Technology Program Outcome Assessment Plan -- Class of 2012

Mission: To prep 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	graduation rate per class.	Commencement (May)	Program Director	Yes 15/15 = 100%	A student originally from the class of 2011, took a training spot vacated by a student who resigned maintaining the original 15 class student capacity. Note: Change benchmark to review on 4-24-13.
2. Graduates will pass the ARRT exam in radiography on the first attempt.	ARRT Radiography Examination Summary	Class mean scaled % first time pass rate.	December	Program Director	Yes 85 Mean Scaled Score Yes 93% First Time Pass Rate	Note: Change benchmark to Annual program mean scaled score and annual 80% first time pass rate. Add 5 year program mean scale score and 5 year program first time pass rat (to show trends per

					but she elected to not work as an RT, even though she was offered a job. She failed the registry exam and is not being considered here.) 2 graduate is unwilling to seek employment that requires relocation, Summer Calabro was employed but resigned and moved to WA due to her husband relocating where she was unable to gain employment as an RT. 3) graduate is unwilling to accept employment due to salary or hours, Julene Lawrence elected not to enter the field and chose to remain a realtor trainer. 4) graduate is on active military duty, and/or 5) graduate is continuing education. Jeff Jensen	tracking? Merry Olson, Facebook, etc.

Category 2: Clinical Performance.						
Goal 2: Students will be clinically competent.						
Outcome	Tool	Benchmark	Time Frame	Responsibility	Result	Action

1.
Students will provide appropriate patient care
	A.
	RADT 102 Patient Care in Radiography I Unit Exams # 4 7 **(*Final Grade Report)**
	
	B.
	RADT 150 Patient Care in Radiography II Unit Exams # 11 and 12.
	
	C.
	Any randomly selected no-simulation exam category for fluoro and one randomly selected mandatory trauma competency.
		A.
		
		average score **(*Combined average grade of "B" = 3 points or higher.)**
		
		B
		  80 % Combined average score
		
		C.
		  100 % Combined satisfactory rating within three attempts.
			A.
			First semester
			
			B.
			Second semester
			
			C.
			Third, Fourth or Fifth semester
				A.
				Didactic Instructor
				
				B.
				Didactic Instructor
				
				C.
				Clinical Coordinator
					A.
					Yes
					15/15
					Mean = 4 = A
					
					B.
					Yes
					13/13
					88%
					
					C.
					Yes
					UGI13/13 = 100%
					T/Hip 12/12 = 100%
					Mean = 100 %
						A.
						None
						(*Note: Blackboard exam data was lost so we are using the final grade report as a tool here with B = 3 points average or higher.)
						
						==Change Tool A to RADT 102 Orientation to Radiologic Technology.==
						
						B.
						None.
						
						C.
						Note: JRCERT review indicated we were not showing trends. Everything is always 100%.
						
						==Note: Change tool to: All competencies and benchmark to:==
						
						==pass rate on all competency evaluations.== (This

						will help us see big picture of total satisfactory comps versus total comps. For example 650 Sats / 670 Total Comps = 97% = 3% Unsats) Note: Add D tool: All unsatisfactory competency exam tasks # 1,2,9. (Patient care elements.) D. Benchmark: 2% first time unsatisfactory rate of patient care tasks of all comps. (Example: 4 Unsat comps / 670 = .5%)
2. Students will demonstrate quality positioning.	A. RADT 162 Radiographic Procedures II Unit Exams # 12 - 16. B. Any randomly selected exam category for no-simulation fluoro exams and humerus # 5, 6, 7.	A. Combined average score. B. 100 % Combined satisfactory rating within three attempts	A. Fourth semester B. Third, Fourth or Fifth semester	A. Didactic Instructor B. Clinical Coordinator	A. 15/15 Yes Mean =85.9% B. No Hum = 14/15 = 93.3% BE = 3/3 = 100% Mean = 96.65%	A. None B. history error left hand pain and student did exam correctly but order was for right hand

						Change A Benchmark: combined average score. A time frame : 2nd semester. Add B tool: All unsatisfactory competency exams image quality assessment factors. B benchmark: first time unsatisfactory rate of image quality assessment factors. Time frame: 3, 4, 5 semesters.

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 the least amount of radiation (High kV & Low mAs).	A. RADT 164 Imaging and Processing Unit Exams # 9, 10, 11. **(*Final Grade Report)** B. Competency Evaluations # 8, 10 and Image Quality Assessment section of one randomly selected competency evaluation of each student.	A. 80 % Combined average score. **(Combined average grade of "B" = 3 points or higher.)** B. 100 % Combined satisfactory rating.	A. Fourth Semester B. Fifth Semester	A. Didactic Instructor B. Clinical Coordinator	A. Yes 15/15 Mean = 4 B. Yes 15/15 = 100%	A. **(Note: RADT 164 was being revised and unit exams were under development, so we are using the final grade determination for RADT 164 as a tool here.)** Change 3-3-1 outcome to read: Students will apply ALARA exposure

Category II: Clinical Performance	Change 2-2-1-C. Tool: All competency evaluation forms. Benchmark: competency evaluations.(Note: This change sets the big picture for understanding subsequent unsatisfactory assessments in relationship to the total number of competency evaluations required by the cohort.) Add D. Tool: All unsatisfactory competency exam tasks # 1,2,9 (patient care elements). first time unsatisfactory rate of patient care tasks of all comps. (Note: Since 4.4% of all first time comps were unsatisfactory for Class of 2011, we are setting the benchmark at a reasonable mid point expectation of 2% initially.) Timeframe: 3rd, 4th, 5th semesters. Change 2-2-2-B with new tool all unsatisfactory competency exam tasks # 5,6,7 and B benchmark: positioning tasks of all comps. Replace 2-2-3-B-1 tool to: All unsatisfactory competency exam tasks #3,4,8 and B-1 Replace 2-2-3-B-2 tool to: Final grade determination form B, and B-2 benchmark: 5 (strongly disagree to strongly agree). Delete 2-2-3-B-3 altogether. Change 2-2-4-outcome to read: Students will demonstrate the ability to evaluate image quality and tool: RADT 153 Image Analysis unit plus final exams A and B, and Benchmark: : 80 % combined average score and Time Frame 2nd semester. Add a B tool on 2-2-4: All unsatisfactory competency exams image quality assessment factors and Benchmark: first time unsatisfactory rate of image quality assessment factors and Time Frame: 3, 4, and 5th semesters.
	Summary: The program appears effective in preparing students to become clinically competent as entry level radiographers. They are evidencing an understanding of professional communications, safety and transfer of patients, patient care and assessment, infection control, how to deal with acute situations and exam prep. They are demonstrating quality positioning skills for both entry level noninvasive and invasive procedures in class and in clinical education. They are applying appropriate radiation safety measures in protecting the patient, themselves and others. They a.55 35.94 0vET.

Category III: Problem Solving and Critical Thinking	optimum kVp and low mAs for the required exposure index range (S#, LgM, IE). Change 3-3-1-B. Tool: Final Grade Determination Form, #2, (student thinks critic 5, (Strongly Disagree to Strongly Agree).

Change 3-3-2 and 3-3-3 benchmark to read: ARRT normalized   section score.

Note: The variance between the mock score and predicted ARRT score is around 10 points

Amendments to Category V: Professional Growth and Development	Change 5-5-1 outcome to: Students will apply employability skills of a radiographer. Delete A-3. Redo Tools, Benchmark, Time Frame: Change A-1 and A-2 Tools to: Final grade determination Form B, 1 5. Change A- 5 (strongly disagree to strongly agree). Time Frame: **3rd Semester**. Change A- 5 (strongly disagree to strongly agree). Time Frame: **5th Semester.** (Results in a more comprehensive assessment of the outcome.) Change 5-5-2 outcome to: Graduates will apply the employability skills of an RT (R). (Note: Use new employer survey with class of 2013.)

Summary: Students are applying the values, ethics and compassion of a radiographer. They are developing

	80%). Note: We find it difficult to track student employment and continuing education goals after graduation, and we need to find additional methods of assistance here. The program historically enjoys a high program completion rate above 90% during the past 10 years. This continues to be reflected in the 100% program completion rate for the class of 2012. This trend along with the remaining 4 benchmarks in this category met indicates the CSI Associate of Applied Science Radiologic Technology appears to be effective in meeting its mission and goals. 14 out of 15 graduates pass the ARRT examination on the first attempt and are gaining employment or continuing their education. Graduates appear to be satisfied with the quality of their education. Employers are satisfied with program graduates.

Assessment Plan Review

Mission Statement	Will be reviewed in 2014.	
Goals	Will be reviewed in 2014.	
Assessment Plan	Note: Amendments above to Categories for changes recommended assessment plan were approved.	Class of 2013 outcome