Somerset Community College Radiography Outcomes Assessment 2011-2012

Goal #1 The student will exhibit critical thinking and problem solving skills.

OUTCOMES EXPECTED	MEASUREMENT TOOLS	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	ACTUAL OUTCOME	ACTION PLAN
Selection of manual technical factors appropriate the patient/situation	Lab practical exams1 & 2 in IMG 114 Image Production and Acquisition	Students will average ≥85% on exams	1 st semester	Didactic/Lab instructor	Sum 2011:85.5 Fall 2011: 85.7 Spr 2012:Pending	Sum 2011:Benchmark met Fall 2011: Benchmark met Spr 2012: Pending
	Clinical Competency Forms; item # 7-10, (random sampling during Clinical Practice I through V)	85% will receive "Yes" response on all four items (Yes/No scale)	5 th semester	Clinical Instructor	Spr 2012: Pending	Spr 2012: Pending
Use of positioning appropriate for the patient/ situation	Lab practical exams in IMG 108 Radiographic Procedures I	Students will average ≥ 85% on practical exams	1 st semester	Didactic/Lab instructor	Sum 2011:91.3 Fall 2011: 77.2 Spr 2012: Pending	Sum 2011:Benchmark met Fall 2011: Benchmark not met Spr 2012: Fall 2011:
	Lab practical exams in IMG 118 Radiographic Procedures II Clinical Competency Form; item # 17, 21, and 27, (random sampling during	Students will average ≥ 85% on practical exams 85% will receive "Yes" response on all three	2 nd semester 5 th semester	Didactic/Lab instructor	Fall 2011: 82.0 Spr 2012: Pending Spr 2012: Pending	Fall 2011: Benchmark not met; continue to mnitor Spr 2012: Pending
Manipulation of equipment appropriate for patient/situation	Clinical Practice I through V) Lab practical exams in IMG 214 Radiographic Equipment	items (Yes/No scale) Students will average ≥ 85% on practical exams	2 nd semester	Didactic/Lab instructor	Fall 2011: 85.3	Spr 2012: Pending Fall 2011: Benchmark met

	Clinical Competency Form; item # 11,	85% will receive "Yes"	5 th semester	Clinical Instructor	Spr 2012: Pending	Spr 2012 Pending
	12, 13, 23, and 26, (random sampling	response on all five				
	during Clinical Practice I through V)	items (Yes/No scale)				
Interaction with patient	Patient care scenarios in IMG 106	Students will average >	1 st semester	Didactic	Sum 2011:93.7	Sum 2011: Benchmark
that is appropriate for	Patient Care	85% on practical exams		Instructor		met
the patient/situation					Fall 2011: 92.1	Fall 2011: Benchmark
						met
					Spr 2012:Pending	Spr 2012: Pending
			_			
	Patient care assessment practical exam	Students will average \geq	5 th semester	Didactic	Spr 2012: Pending	Spr 2012: Pending
	in IMG 228 Radiography Seminar	85% on practical exams		Instructor		

Goal #2 The student wil	ll utilize effective oral, written and int	erpersonal communication skill	s.			
OUTCOMES EXPECTED	MEASUREMENT TOOLS	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	ACTUAL OUTCOME	ACTION PLAN
The student will utilize effective written communication skills	Written assignment—Pathology Topic	Students will average ≥ 85% on pathology written assignment	During the program	Didactic Instructor	Fall 2011: 91.2 Spr 2012: Pending	Fall 2011: Benchmark met Spr 2012: Pending
	Written assignment—Radiation Biology Topic	Students will average ≥ 85% on pathology written assignment	During the program	Didactic Instructor	Fall 2011: 88.4 Spr 2012: Pending	Fall 2011: Benchmark met Spr 2012: Pending
	Written assignment—Ethics Topic	Students will average ≥ 85% on ethics written assignment	During the program	Didactic Instructor	Sum 2011:91.6 Fall 2011: 94.0 Spr 2012:	Sum 2011: Benchmark met Fall 2011:Benchmark met
	Patient history writing component of competency evaluation form	95% will receive the maximum 3 points (0-3 scale)	During the program	Clinical Instructor	Sprl 2012:	Spr 2012 Spr 2012:
The student will utilize effective oral communication skills	Oral presentation—Pathology Case Study	Students will average ≥ 85% on pathology oral presentation	During the program	Didactic Instructor	Fall 2011: 93.6 Spr 2012: Pending	Fall 2011: Benchmark met Spr 2012: Pending
	Oral presentation—Specials Case Study	Students will average $\geq 85\%$ on specials oral presentation	During the program	Didactic Instructor	Spr 2012: Pending	Spr 2012: Pending
	Oral presentation—CT Case Study	Students will average ≥ 85% on CT oral presentation	During the program	Didactic Instructor	Spr 2012: Pending	Spr 2012: Pending

The student will utilize	Clinical Competency Form; item #	75% will receive "Yes"	2 nd semester	Clinical	Fall	Fall 2011:Pending
effective	3-6, 18, 20 and 24, (random	response on all nine items		Instructor	2011:Pending	Spr 2012: Pending
interpersonal	sampling during Clinical Practice I)	(Yes/No scale)			Spr 2012:	
communication skills					Pending	
			5 th semester	Clinical		
				Instructor		
	Clinical Competency Form; item#	85% will receive "Yes"			Spr 2012:	Spr 2012: Pending
	3-6, 18, 20 and 24, (random	response on all nine items			Pending	
	sampling during Clinical Practice	(Yes/No scale)				
	(V)		5 th semester	Clinical	Spr 2012:	Spr 2012:
				Instructor		:
	Student Performance Evaluation	85% will receive a score \geq 3				
	Form; items # 4, 9, 14, and 15,	on all four items (scale 0-4)				
	(random sampling during Clinical					
	Practice V)					

OUTCOMES	demonstrate professionalism. MEASUREMENT TOOLS	BENCHMARK	TIME FRAME	RESPONSIBLE	ACTUAL OUTCOME	ACTION PLAN
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The student will exhibit professionalism in the clinical setting.	Student Performance Evaluation form; item # 1, 5, 7, and 16, (random sampling throughout the clinical practice component of the program)	85% will receive a score of ≥ 2 on all four items (scale 0-4)	Annually; 5 th semester	Clinical Instructor	Spr 2012:	Spr 2012:
The student will construct a post-graduation career plan	Five year career plan assignment during IMG 228 Radiography Seminar; (describing career goals, the importance of continued professional growth, and benefits of involvement in professional societies)	Students will average ≥ 85% on 5-year career plan assignment	Annually; 5 th semester	Didactic Instructor	Spr 2012:	Spr 2012:
Students will demonstrate professionalism on the job after graduation	Employer Survey	95% of Employers will indicated "Yes" that the graduate demonstrate professionalism	Annually; 9 months after graduation	Program Director	Spr 2013:	Spr 2013:

	(Yes or No scale)		

Goal #4 The student will develop clinical performance skills and competencies of an entry level radiographer.

OUTCOMES EXPECTED	MEASUREMENT TOOLS	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	ACTUAL OUTCOME	ACTION PLAN
The student will apply accurate positioning skills	Clinical Competency Form; item #17 (random sampling during Clinical Practice V)	85% will receive "Yes" response (Yes/No scale)	Annually; 5 th semester	Clinical Instructor	Spr 2012: Pending	Spr 2012: Pending
	Image and Procedures Form; Patient/Part Position Critique component of the form (random sampling during Clinical Practice V)	The student will receive a score ≥ 10 (scale of 0-12.5)	Annually; 5 th semester	Clinical Instructor	Spr 2012:Pending	Spr 2012:Pending
The student will select appropriate technical factors	Clinical Competency Forms; item # 7-10, (random sampling during Clinical Practice V)	85% will receive "Yes" response on all four items (Yes/No scale)	Annually; 5 th semester	Clinical Instructor	Spr 2012: Pending	Spr 2012:Pending
	Image and Procedure Form; Selection of Technical Factors-Critique component of the form (random sampling during Clinical Practice V)	The student will receive a score ≥ 6 (scale of 0-8)	Annually; 5 th semester	Clinical Instructor	Spr 2012:Pending	Spr 2012:Pending
The student will utilize standard radiation safety practices	Clinical Competency Form; item # 16, 31 and 32, (random sampling during Clinical Practice V)	95% will receive a "Yes" response on all three items (Yes/No scale)	Annually; 5 th semester	Clinical Instructor	Spr 2012:Pending	Spr 2012:Pending
The student will employ appropriate documentation in the clinical setting	Clinical Competency Form; item# 25 and 26, (random sampling during Clinical Practice V)	85% will receive a "Yes" response on both items (Yes/No scale)	Annually; 5 th semester	Clinical Instructor	Spr 2012:Pending	Spr 2012:Pending

Goal #5 The program will continually monitor its effectiveness in graduating entry level radiographers.

OUTCOMES EXPECTED	MEASUREMENT TOOLS	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	ACTUAL OUTCOME	ACTION PLAN
Students admitted into the program will graduate within 21 months	Program graduation rate	80% graduation rate	Annually; May of each year	Program Director	2008: 15/18 83% 2009: 13/18 72% 2010: 12/18 67% 2011: 14/19 74%	2008: Benchmark met 2009: Benchmark not met; all five students withdrew from the program during the first semester when two courses were being taught via interactive television; that status has changed. 2010: Benchmark not met; see attached action plan 2011: Benchmark not met; see action plan
		Benchmark lowered to 70% graduation rate for 2012			2012: Pending	2012:Pending
Graduates of the program will be academically prepared to pass the ARRT examination	ARRT Registry Examination results as reported by the ARRT	85% first attempt pass rate on the ARRT registry exam	Annually; after May graduation	Program Director	2008: 13/14 93% 2009: 13/13 100% 2010: 12/12 100% 2011: 14/14 100% 2012:Pending	2008: Benchmark met 2009: Benchmark met 2010: Benchmark met 2011: Benchmark met 2012:
Graduates of the program will be capable of finding jobs as entry-level radiographers	Graduate survey	75% of graduates seeking employment will be employed within six months of graduation	Annually; six months after graduation	Program Director	2007: 17/19 89% 2008: 13/15 87% 2009: 13/15 87% 2010: 6/12 50% 2011: 6/14 43% 2012:	2007: Benchmark met 2008: Benchmark met 2009: Benchmark met 2010: Benchmark not met; see attached action plan 2011: Benchmark not met; see attached action plan 2012:
Graduates will indicate an overall satisfaction with their educational experience in the program	Graduate survey	90% of respondents will report an overall satisfaction with the program (Positive Neutral Negative –scale)	Annually; May of each year	Program Director	2008:7/7 100% 2009: 10/10 100% 2010: 6/6 100% 2011: 3/3 100% 2012:Pending	2008: Benchmark met 2009: Benchmark met 2010: Benchmark met 2011: Benchmark met 2012:Pending

Employers of graduates will	Employer survey	90% of	Annually;	Program	2008: 7/6 1/2*93%	2008: Benchmark met
indicate an overall		respondents will	nine months	Director	2009: 4/4 100%	2009: Benchmark met
satisfaction with the program		report an overall	after		2010: 3/3 100%	2010: Benchmark met
graduates		satisfaction with	graduation		2011: 6/6 100%	2011: Benchmark met
		employees that	(the next		2012:Pending	2012:Pending
		are program	February			
		graduates (Positive	following			
		Neutral Negative -	graduation)			
		scale)				

^{*}One employer was happy with one graduate and not completely satisfied with a second graduate.