

Amarillo College-Radiography Program

Outcomes Assessment Plan 2020

August 2018-August 2019

Program Mission:

To provide a comprehensive educational environment that will prepare the radiography graduate to effectively engage in the daily challenges and responsibilities required of a competent and professional entry-level radiographer.

Goal 1: Monitor Program Effectiveness (updated 10/1/2020-mgh)						
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results	Analysis/Revisions/Recommendations
1. Students will complete the program and take the ARRT certification exam.	1. Satisfaction of all program requirements.	1. No less than 75% of students will complete the program in all required courses.	1. During the program/ Within 12 months	1. Program Director	1.N=26 started program; N=22 completed SP 19; 88% completion rate	1. 5 year avg.: 84% (yr:15-19)
	2. Completion of the ARRT certification exam.	2. No less than 75% of graduates will successfully complete the ARRT exam on first attempt.	2. Within 6 months of graduation	2. Program Director	2. 22 of 23 passed on first attempt; 95% pass rate	2. 5 year avg.: 79% (yr: 15-19); Pleased with increase from 2017; 1 st full complete cohort to complete Corectec Review Course
2. Program will assess graduate satisfaction.	1. Item #30 from Radiography Graduate Survey.	1. Average of 4.0 (5.0 Likert).	1. Within 12 months of graduation	1. Program Director	1. Avg= 4.14 (n=21)	1. Higher return rate SP 19; distributed last week of class
3. Program will assess employer satisfaction.	1. Item #21 from Employer Survey.	1. Average of 3.0 (4.0 Likert).	1. Within 12 months of graduation	1. Program Director	1. Avg=3.9 (n=11 returned)	1. Benchmark surpassed, no action at this time.
4. Program will assess employment rate.	1. Radiography Graduate Survey.	1. Within 12 months of graduation, 75% of graduates seeking employment in the field will find employment.	1. Within 12 months of graduation	1. Program Director	1. 21 of 22 employed; 95%; (n=22)	1. 5 year avg.: 93% (yr:15-19)

Goal 2: Graduate will be clinically competent.						
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results	Analysis/Revisions/Recommendations
1. Student will provide appropriate radiation safety for patients and self.	1. Item 10 from clinical evaluation	1. Students will score no less than 4.0 (5.0 Likert)	1. 3 rd & 5 th semester	1. Clinical Coordinator	1. 100% scored \geq 4 (N=123)	1. Pleased with results.
	2. Radiation Safety assignment RADR 2313	2. Average score of \geq 80%	2. 1 st semester (FA 18)	2. Didactic instructor	2. 100% scored \geq 80% (N=25)	2. Benchmark surpassed, no action at this time.
2. Students will recognize appropriate positioning skills and produce diagnostic images.	1. Item #15 from clinical evaluation	1. Students will score no less than 4.0 (5.0 Likert)	1. 5 th semester (SP 19)	1. Clinical Coordinator	1. 98.4 % scored \geq 4, 1.6 % scored < 4 (N=66)	1. We have implemented (FA 18) lab practicals into semesters 1 & 2 that will increase positioning skills throughout the program.
	2. RADR 2235, Procedures Exam, questions (#3, 11, 30, & 35)	2. \geq 80% will answer questions correctly	2. 5 th semester (SP 19)	2. Didactic instructor	2. 88% answered correctly (n=88 questions in total; n=76 correct answers)	2. As a whole, the students surpassed the benchmark, however, for two questions the benchmark was not met. Will continue to collect data.

Goal 3: Graduate will display communication skills.						
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results	Analysis/Revisions/Recommendations
1. Student will demonstrate verbal skills when relating to patients.	1. Item 7 & 16 from Clinical Evaluation.	1. Students will score no less than 4.0 (5.0 Likert)	1. 1 st , 2 nd , 4 th , 5 th semesters	1. Clinical Coordinator	1. Sem. 1: 100% scored ≥ 4 (N=104); Sem. 2 100% scored ≥ 4 (N=146); Sem. 4 100 % scored ≥ 4 (N=132); Sem 5 99.24% scored ≥ 4 (N=132) .76% =3 (1 eval.)	1. Pleased with overall results, will continue to strive to not have any 3 results.
	2. Successful completion of Oral portion of Case Study in RADR 1313	2. Students will score $\geq 80\%$	2. 2 nd semester (SP 19)	2. Didactic instructor	2. 100% of students scored $\geq 80\%$ (n=24)	2. Benchmark surpassed, no action at this time.
2. Student will demonstrate written communication skills.	1. Successful completion of Written portion of Case Study RADR 2305	1. Students will score $\geq 85\%$	1. 4 th semester (FA 18)	1. Didactic Instructor	1. 100% scored $\geq 80\%$ (N=22)	1. To better assess students this assignment was modified in FA 19, will analyze new data
	2. Successful completion of Written portion of Case Study in RADR 1313	2. Students will score $\geq 80\%$	2. 2 nd semester (SP 19)	2. Didactic Instructor	2. 100% of students scored $\geq 80\%$ (n=24)	2. To better assess students, this assignment was slightly modified for FA2019, new data to come

Goal 4: Graduate will display critical thinking/problem-solving skills.						
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results	Analysis/Revisions/Recommendations
1. Students will be able to evaluate radiographic images for acceptability.	1. Image Acceptability/Critique Assignment RADR 1202 & RADR 1205	1. The students will score an $\geq 85\%$ in 1202 and average score of $\geq 90\%$ in 1250	1. 3 rd semester (SU 19)	1a. Didactic instructor	1. Results 1: SP 19 (5 th semester)-RADR 1250 Avg score, Eval 1: 91; Eval 2: 93; Eval 3: 89; Eval 4: 89 SU 19 (3 rd semester)-RADR 1202 Avg score, Eval 1: 77; Eval 2: 81; Eval 3: 81; Eval 4: 84	1. Beginning SP2019, in an effort to better assess this students, the format was modified from a formal written paper to an assignment that more resembles essay questions.
	2. Item #9 on Clinical Evaluation in Practicum V	2. Students will score no less than 4.0 (5.0 Likert)	2. 5 th semester	2. Clinical Coordinator	2. 98.4% scored ≥ 4 , 1.6% scored <4 (N=66)	2. Overall pleased with results will continue to strive to not have any <4 results.
2. Students will demonstrate adaptive behavior for critical or stressful scenarios.	1. Item 11 on Clinical Evaluation in Practicum V	1. Students will score no less than 4.0 (5.0 Likert)	1. 5 th semester	1. Clinical Coordinator	1. 100% scored ≥ 4 (N=66)	1. Benchmark surpassed, no action at this time.
	2. Successful completion of Oral portion of Case Study RADR 2305	2. The student will score $\geq 85\%$	2. 4 th semester (FA 18)	2. Didactic Instructor	2. 100% scored $\geq 80\%$ (N=22)	2. Benchmark surpassed, no action at this time.

Goal 5: Graduate will exhibit professional development.						
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results	Analysis/Revisions/Recommendations
1. Students will be able to demonstrate as outlined in the ARRT "Code of Ethics".	1. Item 14 on Clinical Evaluation in Practicum V	1. Students will score no less than 4.0 (5.0 Likert)	1. 5 th semester	1. Clinical Coordinator	1. 100% scored ≥ 4 (N=66)	1. Benchmark surpassed, no action at this time.
	2. RADR 1203, Code of Ethics assignment	2. Students will score $\geq 80\%$	2. 1 st semester (FA 18)	2. Didactic Instructor	2. 92% scored $\geq 80\%$ (N=24)	2. Beginning FA 19, this measurement tool will move to pre-selected questions on an exam, will analyze new data
2. Students will be able to differentiate between all discipline-related professional organizations.	1. RADR 1201 complete modality paper	1. Students will score $\geq 80\%$	1. 1 st semester (FA 18)	1. Didactic Instructor	1. 100% scored $\geq 80\%$ (N=17)	1. Beginning FA 19, this measurement tool will move to pre-selected questions on an exam, will analyze new data
	2. RADR 2309-Will complete 2 nd modality paper	2. Students will score $\geq 85\%$	2. 4 th semester (FA 18)	2. Didactic Instructor	2. 100% scored $\geq 85\%$ (N=23)	2. Benchmark surpassed, no action at this time.