

UNIVERSITY OF PUERTO RICO  
 MEDICAL SCIENCES CAMPUS  
 SCHOOL OF HEALTH PROFESSIONS  
 RADIOLOGIC TECHNOLOGY PROGRAM  
 PROGRAM OUTCOMES ASSESSMENT PLAN  
 2014-2015

**Goal 1.0 Students /Graduates will be clinically competent with the knowledge, skills and attitudes that enables them to adequately meet the radiographer needs of the communities they serve.**

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
1. Students will demonstrate positioning skills.	Student Clinical Indirect Evaluation Form (Area D: 7-8 and E: 1-9)	Third year students will score an average of 3.25 or higher in positioning skills (4 point scale) in the Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.	Second semester, second year (Direct Evaluation TERA-1025)	Clinical Coordinator	<b>Benchmark met:</b> 89% of second year students obtained a score of 3.0 or higher in positioning skills.
	Student Clinical Direct Evaluation Form (Area E: 1-10 and D 7-10)	Second year students will score an average of 3.0 or higher in positioning skills (4 point scale) in Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.	First semester, third year (Direct and Indirect Evaluation TERA-2061)	Clinical Instructor Program Faculty	<b>Benchmark met:</b> 89% of third year students obtained a score of 3.25 or higher in positioning skills. <b>Benchmark met:</b> 100% of third year students obtained a score of 3.25 in positioning skills.
	Clinical Faculty Evaluation Form (Items 15,16,17,23)		Second semester, third year (Indirect Evaluation TERA-2062)	Program Faculty	<b>Benchmark met- TERA-1025:</b> 86% of second year's students obtained a score of 3.0 or higher in positioning skills. <b>Benchmark met-TERA-2061:</b> 92% of third year's students obtained a score of 3.25 or higher in positioning skills. <b>Benchmark met-TERA-2062:</b> 100% of third year's students obtained a score of 3.25 or higher in positioning skills.
			End of each semester (Clinical Faculty Evaluation TERA 1025, TERA 2061 and TERA 2062)		

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
	Practice Test Rubric (Area D:1-14)	Student will score an average of 2.0 or higher (3 point scale) in positioning skills.	<p>TERA-1013 End of first semester (Second year).</p> <p>TERA-1014 End of second semester (Second year).</p> <p>TERA-2010 End of first semester (Third year).</p>	Program Faculty	<p>Benchmark met</p> <p>TERA 1013</p> <p>74% of second year students scored an average of 2.0 or higher (3 points scale) in positioning skills.</p> <p>Benchmark Met</p> <p>TERA 1014</p> <p>100% of second year students obtained a score of 2.0 or higher (3 points scale) in positioning skills.</p>
2. Students will be able to properly operate the radiographic equipment.	<p>Student Clinical Indirect Evaluation Form (Area F: 1-7)</p> <p>Student Clinical Direct Evaluation Form (Area F: 1-10)</p>	<p>Second year students will score an average of 3.0 or higher on the management of radiographic equipment (4 point scale) in the Student Clinical Direct and Indirect Evaluation Forms</p> <p>Third year students will score an average of 3.25 or higher on the management of radiographic equipment (4 point scale) in Student Clinical Direct and Indirect Evaluation Forms</p>	<p>Second semester, second year (Direct Evaluation TERA-1025)</p> <p>First semester, third year (Direct and Indirect Evaluation TERA-2061)</p>	<p>Clinical Coordinator</p> <p>Clinical Instructor</p> <p>Program Faculty</p>	<p><b>Benchmark met:</b></p> <p>85% of second year students obtained a score of 3.0 or higher in the management of radiographic equipment.</p> <p><b>Benchmark met:</b></p> <p>88.2% of third years students obtained a score of 4.0 in the management</p>

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
	Practice Test Rubric (Area A: 2, 5-7 and D: 2, 6,7,11,13)	Students will score an average of 2.0 or higher (3 point scale) operating the radiographic equipment.	Second semester, third year (Indirect Evaluation TERA-2062)  TERA-1013 End of first semester (Second year).  TERA-1014 End of second semester (Second year).  TERA-2010 End of first semester (Third year)	Program Faculty	of radiographic equipment.  TERA 1013 100% of second year students obtained 2.0 or higher (3.0 points scale) in operating the radiographic equipment  TERA 1014 100% of second year students obtained 2.0 or higher (3.0 points scale) in operating the radiographic equipment.
3. Students will apply radiation protection measures.	Student Clinical Direct Evaluation Form (Area G: 1-5)  Student Clinical Indirect Evaluation Form (Area G: 1-3)	Second year students will score an average of 3.0 or higher (4 point scale) on radiation protection measures.  Third year students will score an average of 3.25 or higher (4 point scale) on radiation protection measures.	Second semester, Second year (Direct Evaluation TERA-1025)  First semester, third year (Direct and Indirect Evaluation	Clinical Coordinator Clinical Instructor Program Faculty	<b>Benchmark met:</b> 98.5% of second year students obtained a score of 3.0 or higher applying radiation protection measures.  <b>Benchmark met:</b> 91% of third year students obtained a score of 3.25 or

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
	Practice Test Rubric (Area C: 1-7)	Students will score an average of 2.0 or higher (3 point scale) on safety and radiation protection.	<p>TERA-2061)</p> <p>Second semester, third year (Indirect Evaluation TERA-2062)</p> <p>TERA-1013 End of first semester (Second year).</p> <p>TERA-1014 End of second semester (Second year).</p> <p>TERA-2010 End of first semester (Third year).</p>	Program Faculty	<p>higher applying radiation protection measures.</p> <p><b>Benchmark met:</b> 91% of third year student obtained a score of 3.25 or higher applying radiation protection measures.</p> <p>TERA 1013 100% of second year students obtained 2.0 or higher (3points scale) in safety and radiation protection.</p> <p>TERA 1014 100% of second year students obtained a score of 2.0 or higher (3.0 points scale) in safety and radiation protection.</p>

**Goal 2.0 Students /Graduates will use critical thinking to problem solving**

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
1. Students will apply theory and practical knowledge to perform portable radiography to meet patient's needs.	Portable Unit Clinical Practice Evaluation Form	All students must pass the portable procedure evaluation with a minimum 75%.	End of first semester, third year (TERA 2061).  End of second semester, third year (TERA 2062).	Clinical Instructor	In progress (analysis Portable unit evaluation form)
2. Students will adequately estimate the radiographic exposure factors.	Student Clinical Direct Evaluation Form (Area F:1-10)  Student Clinical Indirect Evaluation Form (Area: F: 1-7)  Clinical Faculty Evaluation Form (Item 22)	Second year students will score an average of 3.0 or higher in adequately estimate the radiographic exposure factors (4 point scale) in Student Clinical Direct Evaluation Forms.  Third year students will score an average of 3.25 or higher in adequately estimate the radiographic exposure factors (4 point scale) in Student Clinical Direct Evaluation Forms.	Second semester, second year (Direct Evaluation TERA-1025)  First semester, third year (Direct Evaluation TERA-2061)  Second semester, third year (Indirect Evaluation TERA-2062)  End of each semester (Clinical Faculty Evaluation TERA 1025, TERA 2061 and TERA 2062)	Clinical Coordinator  Clinical Instructor  Program Faculty      Program Faculty	<b>Benchmark met:</b> 83.9% of second year students obtained a score of 3.0 or higher estimating the radiographic exposure factors. <b>Benchmark met:</b> 89% of third year students obtained a score of 3.25 or higher estimating the radiographic exposure factors. <b>Benchmark met:</b> 89% of third years students obtained a score of 3.25 in estimating the radiographic exposure factors. <b>Benchmark met: TERA-1025:</b> 89.7% of second years students obtained a score of 3.0 higher in estimating the radiographic factors. <b>Benchmark met : TERA-2061:</b> 100% of third years students obtained a score of 3.35 or higher in estimating the radiographic factors.

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
2. Students will adequately estimate the radiographic exposure factors.	Clinical Faculty Evaluation Form (Item 22)	<p>Second year students will score an average of 3.0 or higher in adequately estimate the radiographic exposure factors (4 point scale) in Student Clinical Direct Evaluation Forms.</p> <p>Third year students will score an average of 3.25 or higher in adequately estimate the radiographic exposure factors (4 point scale) in Student Clinical Direct Evaluation Forms.</p>	End of each semester (Clinical Faculty Evaluation TERA 1025, TERA 2061 and TERA 2062)	Program Faculty	<p><b>Benchmark met- TERA-2062:</b> 100% of third years students obtained a score of 3.25 or higher in the adequately estimate the radiographic exposure factors.</p>



**Goal 3.0 Students/Graduates will communicate effectively with patients and other professionals in the interprofessional health care team.**

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
1. Students will demonstrate satisfactory communication skills.	Students Clinical Direct Evaluation Form (Area B: 6, 7, 10 and D: 1, 2, 3, 5, 7, 10)	Second year students will score an average of 3.0 or higher in communication skills in clinical and didactic courses (4 point scale) in the Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.	Second semester, second year (Direct Evaluation TERA-1025)	Clinical Coordinator	<b>Benchmark met:</b> 80% of second year students obtained a score of 3.0 or higher in communication skills. We will continue to monitor.
	Students Clinical Indirect Evaluation Form (Area B:4, 9 and D:1, 2, 3, 5, 8)	Third year students will score an average of 3.25 or higher communication skills in clinical and didactic courses (4 point scale) in Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.	First semester, third year (Direct and Indirect Evaluation TERA-2061)	Clinical Instructor	<b>Benchmark met:</b> 86% of third year students obtained a score of 3.25 or higher in communication skills. We will continue to monitor.
	Practice Test Rubric (Area B: 1-8 and D:1,12)	Students will score an average of 2.0 or higher (3 point scale) on oral communication skills.	Second semester, third year (Indirect Evaluation TERA-2062)	Program Faculty	<b>Benchmark met:</b> 86.6% of third years students obtained a score of 3.25 or higher in communications skills.
			TERA-1013 End of first semester (Second year).	Program Faculty	TERA 1013 100% of second year students obtained 2.0 or higher (3.0 points scale) in communication skills.
TERA-1014 End of second semester (Second year).	TERA 1014 100% of second year students obtained 2.0 or higher (3.0 points scale) in communication skills.				
			TERA-2010 End of first semester (Third year).		



**Goal 3.0 Students/Graduates will communicate effectively with patients and other professionals in the interprofessional health care team.**

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
2. Students will demonstrate satisfactory written and oral communications skills.	Reflective journal	100% of students will successfully complete three reflective journals at the end of their clinical practice.	End of second semester, second year (TERA 1025) End of first and second semester, third year (TERA 2061 and TERA 2062)	Program Faculty	<b>Benchmark met:</b> 100% of students demonstrated oral and written communications skills in their clinical practice.
	Presentations	Students will score an average of 80% or better on the written and oral presentations.	During didactics courses TERA-1015, TERA -1035, TERA -2016, TERA -1014, TERA-2010	Program Faculty	<b>Benchmark met:</b> 85% of students scored an average of 80% or better on written and oral presentations.
3. Graduates will demonstrate satisfactory communications skills.	Graduate Survey	80% of returned graduate's survey reflects a punctuation of 3 points (4 point scale) or higher in the development of communication skills.	Annually	Program Faculty or Program Director	<b>Benchmark met:</b> 85.7% of students indicated that they achieved total domain of oral communication and redaction in Spanish.
	Employer Survey	90% of returned employer's survey will indicate that they are satisfied with graduate's communications skills.	Every two years	Program Faculty or Program Director	<b>Benchmark met:</b> 100% of employers expressed that they were very satisfied or satisfied with graduate's communications skills.

**Goal 4.0 Students/Graduates will practice ethical principles to demonstrate human sensibility, ethical values, social consciences, professional growth and professionalism in all working endeavors.**

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
<p>Students will understand the importance of ethical and professional behavior</p>	<p>Student Clinical Direct Evaluation Form (Area A: 1-4, B:1-11, D:1-10, G: 1-5)</p> <p>Student Clinical Indirect Evaluation Form (Area A: 1-4, B:1-10, D: 1-8, G: 1-3)</p>	<p>Second year students will score an average of 3.0 or higher in ethical and professional behavior (4 point scale) in the Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.</p> <p>Third year students will score an average of 3.25 or higher in ethical and professional behavior (4 point scale) in Student Clinical Direct and Indirect Evaluation Forms and in the Clinical Faculty Evaluation Form.</p>	<p>Second semester, second year (Direct Evaluation TERA-1025)</p> <p>First semester, third year (Direct and Indirect Evaluation TERA-2061)</p> <p>Second semester, third year (Indirect Evaluation TERA-2062)</p>	<p>Clinical Instructor</p>	<p><b>Benchmark met:</b> 95% of second year students obtained a score of 3.0 or higher in ethical and professional behavior.</p> <p><b>Benchmark met:</b> 92.2% of third year students obtained a score of 3.25 or higher in ethical and professional behavior.</p> <p><b>Benchmark met:</b> 92.2% of third year students obtained a score of 3.25 or higher in ethical and professional behavior.</p>

Outcomes	Measurement Tool	Benchmark	Time Frame	Responsible Party	Results
2. Graduates will pursue continued professional development and lifelong learning.	Graduate Survey	30% or more of graduates will pursue additional training or formal education.	Annually	Program Faculty or Program Director	<b>Benchmark met:</b> 60% of graduates are studying for achieve a higher degree.
3. Students will be prepared for the employment interview process.	Job interview workshop Professional Resume	100% of student will attend the job interview workshop and prepare a professional resume.	Second semester, third year (TERA 2062)	Program Faculty	<b>Benchmark met:</b> 100% of the students attended the job interview workshop and prepared their resume.