

## Outcomes Assessment Plan

### Tyler Junior College Radiologic Technology Program Fall 2008 - Spring 2009

<b>GOAL 1 : Students will be clinically competent.</b>					
<b>OUTCOME</b>	<b>MEASUREMENT TOOL</b>	<b>BENCHMARK</b>	<b>TIMEFRAME/ RESPONSIBLE PARTY</b>	<b>RESULTS</b>	<b>ANALYSIS/ ACTION PLAN</b>
Student will produce quality diagnostic images.	Employer Survey Questions 3 - 6	90% or more of returned employer surveys will evaluate graduates as "good" or "very good"	Annually/ Department Chair	MET: 94.7% of the have been rated excellent or very good in overall performance.	Continue. Solicit feedback for improvement.
	Graduate Survey Questions 2-5, 17-18	90% or more of returned graduate surveys will evaluate themselves as "good" or "very good"	6 months/ Department Chair	For the past five years, 0% of our Graduates have expressed that their training was inadequate.	Measurement tool revised in 2008. Monitor outcome
	RADR 1266/1267/ 2266/2366/2367/2267 Clinical Evaluation ( <u>Quality of Work Category</u> )	Composite Student Average over all 6 semesters will be >= 85%	Annually/ Clinical Coordinator	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
Student will practice Radiation Protection.	RADR 1311/2301 Lab Practicum Eval. ( <u>Technical Components Category Questions 3 &amp; 9</u> )	On the Final Practicum, the composite student average for this category will be >= 85%	Semesters 1 & 2/ Laboratory Instructors	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 2313 Radiation Biology and Protection Test #4 Ch. 8	Average Student grade for course Final will be >= 88%	Semester 2/ Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 2309 Radiographic Imaging and Equip. Test #1 Ch. 1 & 2	Students grade for course Final will be >= 84%	Semester 1/ Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
Student will provide quality patient care.	RADR 1311/2301 Lab Practicum Eval. ( <u>Patient Preparation Category Questions 2 - 8</u> )	On the Final Practicum, the composite student average for this category will be >= 90%	Semester 1 & 2/ Laboratory Instructors	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 1266/1267/ 2266/2366/2367/2267 Clinical Evaluation ( <u>Patient Perception Category</u> )	Composite Student Average over all 6 semesters will be >= 85%	Annually/ Clinical Coordinator	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 1303 Patient Care	Students grade for course Final will be >= 90%	Semester 1/ Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.

**GOAL 2 : Students will Communicate Effectively.**

OUTCOME	MEASUREMENT TOOL	BENCHMARK	TIMEFRAME/ RESPONSIBLE PARTY	RESULTS	ANALYSIS/ ACTION PLAN
<p><b>Students will demonstrate effective oral communication skills.</b></p>	<p><b>RADR 1311/2301 Lab Practicum Eval.</b> (<u>Patient Preparation Category</u> Quest. 2 - 5)</p>	<p>On the Final Practicum, the composite student average for this category will be <math>\geq</math> 90%</p>	<p>Semester 1 &amp; 2/ Laboratory Instructors</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>
	<p><b>RADR 1266/1267/2266/2366/2367/2267 Clinical Evaluation</b> (<u>Professionalism Category</u>)</p>	<p>Composite Student Average over all 6 semesters will be <math>\geq</math> 85%</p>	<p>Annually/ Clinical Coordinator</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>
	<p><b>RADR 2217 Radiographic Pathology</b> (<u>Oral/Written Pathology Project</u>)</p>	<p>Students average grade for this Project will be <math>\geq</math> 85%</p>	<p>Semester 4/ Instructor</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>
<p><b>Students will demonstrate effective written communication skills.</b></p>	<p><b>RADR 2233 Advanced Medical Imaging</b></p>	<p>Students will earn a minimum of 160 of 400 pts at least 2 papers on Modalities.</p>	<p>Semester 3/ Instructor</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>
	<p><b>RADR 2217 Radiographic Pathology</b> (<u>Oral/Written Pathology Project</u>)</p>	<p>Students average grade for this Project will be <math>\geq</math> 85%</p>	<p>Semester 4/ Instructor</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>
	<p><b>RADR 2336 Special Patient Applications</b> (<u>History and Abbreviations Quiz Grades</u>)</p>	<p>Composite Student Average will be <math>\geq</math> 85%</p>	<p>Semester 3/ Instructor</p>	<p>New Benchmark set 2008. Pending results.</p>	<p>New Benchmark set 2008. Pending results.</p>

**GOAL 3 : Students will demonstrate Critical Thinking.**

OUTCOME	MEASUREMENT TOOL	BENCHMARK	TIMEFRAME/ RESPONSIBLE PARTY	RESULTS	ANALYSIS/ ACTION PLAN
Student will integrate considerations for Atypical Patient Needs.	RADR 2336 Special Patient Applications	Composite Student Average will be $\geq 87\%$ on both the Pediatric/Geriatric Test and the Trauma Test.	Semester 3/ Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 1266/1267/ 2266/2366/2367/2267 <u>Clinical Evaluation</u> (Critical Thinking Category)	Composite Student Average over all 6 semesters will be $\geq 85\%$	Annually/ Clinical Coordinator	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
Student will identify and employ technical considerations specific to exam demands.	RADR 2431L, Advanced Radiographic Procedures Lab, Film Critique	Student average will be 83% or greater on the Lab (Critique) final exam.	Semester 5/ Laboratory Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	RADR 1311/2301 Lab Practicum Eval. ( <u>Patient Preparation Category</u> )	On the Final Practicum, the composite student average for this category will be $\geq 90\%$	Semester 1 & 2/ Laboratory Instructors	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.

<b>GOAL 4 : Students will demonstrate Professionalism.</b>					
<b>OUTCOME</b>	<b>MEASUREMENT TOOL</b>	<b>BENCHMARK</b>	<b>TIMEFRAME/ RESPONSIBLE PARTY</b>	<b>RESULTS</b>	<b>ANALYSIS/ ACTION PLAN</b>
Student will develop an understanding of career opportunities in Medical Imaging	<b>RADR 2233 Advanced Medical Imaging</b>	Students will earn a minimum of 160 of 400 pts at least 2 papers on Modalities.	Semester 3/ Instructor	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	<b>RADR 1201 Introduction to Radiography Test #1 Ch. 2 &amp; 3</b>	Composite Student Average over all 6 semesters will be >= 85%	Semester 1/ Clinical Coordinator	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
Student will exemplify affective professional skills.	<b>RADR 1311/2301 Lab Practicum Eval. (Patient Preparation Category Quest. 3 &amp; 10)</b>	On the Final Practicum, the composite student average will be >= 87%	Semester 1 & 2/ Laboratory Instructors	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	<b>RADR 1266/1267/2266/2366/2367/2267 Clinical Evaluation (Categories: Interpersonal Relationships, Professionalism, Attitude and Flexibility)</b>	Composite Student Average over all 6 semesters will be >= 85%	Annually/ Clinical Coordinator	New Benchmark set 2008. Pending results.	New Benchmark set 2008. Pending results.
	<b>Employer Survey Questions 6 - 10</b>	Employers will evaluate grads as excellent or very good. >= 90%	Annually/ Department Chair	<b>MET:</b> For the past five years, 94.7% of the have been rated excellent or very good.	Solicit suggestions for improvement from communities of interest

New benchmarks and measurement tools were identified in 2008. The benchmarks set were based on the performance data available from the previous years' class.

Program faculty recognize that these benchmarks may need to be adjusted as data is collected.

## PROGRAM EFFECTIVENESS MEASURES

OUTCOME	MEASUREMENT TOOL		TIMEFRAME/ RESPONSIBLE PARTY	RESULTS	ANALYSIS/ ACTION PLAN
Graduates will be prepared for successful completion of the American Registry of Radiologic Technologist national exam.	<b>ARRT Exam Results</b>	Exam Pass rate will be $\geq 90\%$ and average score will be $\geq 80\%$	Annually/ Department Chair	<b>MET:</b> For the past 5 years, our ARRT Exam pass rate has been 100% and our average score has been 89.4%	Continue to monitor registry scores and individual category scores with changing applicant demographics.
Graduates who seek employment are employed in the field or pursuing additional education.	<b>Graduate Survey</b>	$\geq 90$ of Graduates seeking employment hired within six months post Graduation.	6 mo. Post Graduation/ Department Chair	<b>MET:</b> For the past 5 years, 98% of our Graduates have been employed within the 6 months post Graduation.	The previous 4 years' employment rates were 100% at six months. A partially flooded market is suspected to be the blame for the 2007 change.
Students accepted into the program will meet the clinical and didactic requirements to complete the program.	<b>Program Grade sheets</b>	$\geq 75\%$ of the students accepted into the program will complete the program.	Annually/ Department Chair	<b>MET:</b> For the past 5 years, our program has maintained a 78% retention rate.	Retention is lower than in the previous 5 years study. Suspect decreased qualifications of applying students accounts for the change. Monitor.
Graduates will be competent in entry level skills and display appropriate behaviors.	<b>Employer Survey</b>	$\geq 95\%$ of employed students will be rated as eligible for rehire and 90% of employed graduates will be rated as excellent or very good in overall performance.	Annually/ Department Chair	<b>MET:</b> For the past five years, 100% of our Graduates have been rated as eligible for rehire and 94.7% of the have been rated excellent or very good in overall performance.	Continue to solicit feedback from graduates and advisory board for program improvement.
Graduates will be equipped with the Entry Level knowledge and skills necessary to perform successfully in the work environment.	<b>Graduate Survey</b>	$\geq 90\%$ of Graduates will rate their skills and ability as Excellent or Very Good.	6 mo. Post Graduation/ Department Chair	For the past five years, 0% of our Graduates have expressed that their training was inadequate.	Benchmark could not be identified on previous measurement tool. Measurement tool edited to solicit the response reflected in the benchmark. Results pending.