

UNITYPOINT HEALTH – DES MOINES

SCHOOL OF RADIOLOGIC TECHNOLOGY

July 1, 2016 - June 30, 2017 ASSESSMENT OF STUDENT LEARNING OUTCOMES

Goal #1: At the end of the program, student should be able to practice as a competent entry-level radiographer

OUTCOME	MEASUREMENT TOOL	BENCHMARK <i>Based on Class Average</i>	DATA	ACTION PLAN
<i>1. Students will be able to accurately set technical factors for examinations</i>	RAD203 Radiation Physics Chapters 32-34 Test – <i>entire test relates to accurately utilizing technical factors</i>	≥ 93% 0 – 100% scale	Average Score of 93%	This is the first time that we have met our goal with this Measurement Tool. This may suggest that adding the Lab Assignment may help the student learning of this topic. Will continue to monitor for at least 3 more cycles.
	Clinical Performance Evaluation Form – Statement # 3 – <i>student accurately set kVp & mAs factors according to established protocols</i>	≥ 3 on a 4.00 scale	Average Score of 3.84	2 nd Year using this specific measurement tool and meeting goal with an increase in score from 3.6 in 2016. Will use for at least 1 more cycles to determine trend.
<i>2. Students will be able to provide quality patient care</i>	Final Clinical Evaluation Test Grade Sheet – Statement # 2 – <i>student accurately prepared the patient for the exam ordered.</i>	≥ 4 on a 5.00 scale	Average Score of 4.96	2 nd Year using this specific measurement tool and meeting the benchmark with the exact same score as 2016. Will use for at least 1 more cycles to determine trend.
	Clinical Performance Evaluation – Statement # 4 – Patient Care: <i>perceives patient needs, friendly, makes wise decisions, incorporates legal & ethical behaviors into clinical practice</i>	≥ 3 on a 4.00 scale	Average Score of 3.51	2 nd year using this specific measurement tool and there is a drop in Average Score from 3.64 in 2016. Will use for at least 2 more cycles to determine trend.

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Goal #2: At the end of the program, student should be able to integrate critical thinking and problem solving abilities

OUTCOME	MEASUREMENT TOOL	BENCHMARK Based on Class Average	DATA	ACTION PLAN
<i>1. Students will be able to distinguish between a “difficult patient” and utilizing true critical thinking/problem solving skills</i>	RAD220 – Critical Thinking in the Radiologic Sciences – Portfolio Project Rubric	≥ 93% 0 – 100% scale	Average Score of 97.3%	2 nd Year using this specific measurement tool and there is a drop from 100% last year. Will use for at least 2 more cycles to determine trend.
	RAD220 – Critical Thinking in the Radiologic Sciences – Section 8 of the Critical Thinking Test Lab Grade Sheet - <i>Accurately adapted from "normal" textbook routine.</i>	≥8 on a 10.00 scale	Average Score of 10.00	2 nd Year using this specific measurement saw an increase from 8.86 last year. Will use for at least 2 more cycles to determine trend.
<i>2. Students will be able to demonstrate critical thinking/problem solving skills in the clinical setting.</i>	Clinical Performance Evaluation – Statement # 6 – Critical Thinking/Problem Solving: <i>Adapts to a variety of circumstances; readily accepts change; determines correct technical factors based on patient condition (routine v. trauma); critiques images for diagnostic quality; systematic & logical</i>	≥ 3 on a 4.00 scale	Average Score of 3.19	2 nd Year using this specific measurement tool and even though the Benchmark was met, the Average Score was lower than last year’s 3.41. Will use for at least 2 more cycles to determine trend.
	Clinical Management Evaluation – Statement # 8 – <i>student adapts to variety of circumstances. Able to adjust positioning techniques for more difficult patients</i>	≥ 3.75 0 - 4.00 scale	Average Score of 3.86	This is the first year of changing Measurement Tool scoring and Benchmark. Will need to watch for at least 2 more cycles to determine trend.

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Goal #3: At the end of the program, students should be able to communicate effectively

OUTCOME	MEASUREMENT TOOL	BENCHMARK Based on Class Average	DATA	ACTION PLAN
<i>1. Students will be able to effectively communicate through oral methods</i>	Clinical Performance Evaluation – Statement # 7 – <i>Utilizes AIDET and exhibits positive verbal and nonverbal interaction and communication between patients, their families & healthcare team</i>	≥ 3 on a 4.00 scale	Average Score of 3.48	2nd Year using this specific measurement tool and even though the Benchmark was met, the Average Score was lower than last year’s 3.70. Will use for at least 2 more cycles to determine trend.
	RAD220 Critical Thinking in the Radiologic Sciences – Oral Presentation of “Critical Thinking Portfolio” <i>Students present to the class a scenario in which critical thinking skills were utilized – students present information in a clear and informative manner.</i>	≥ 42 pts 0 - 50 pt scale	Average Score of 49 pts.	1 st time using this Measurement tool so will use for at least 2 more cycles to see if there is trend in the learning outcome.
<i>2. Students will be able to effectively communicate through written methods</i>	RAD100 – Introduction to Radiology – Cultural Diversity Paper Rubric – <i>1st Semester Students complete a research paper on a Cultural Topic of their choosing</i>	≥ 44 pts 0 – 48 pts scale rubric	Average Score of 47.8 pts.	Average score slightly higher than last year’s 47 pts but lower than 2014 (48 pts). Since there is no definitive trend, Tool will be used for at least 1 more cycle.
	RAD203 – Radiographic Pathology – Radiographic Pathology Portfolio – <i>Spelling and Other Grammatical Errors Section</i>	≥ 93% 0 – 100% scale rubric	No Data	Since the rearrangement of classes into trimester format this Measurement Tool was change to the newly formed Pathology Class so Data will not be available until end of Summer 2017 semester.

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Goal #4: At the end of the program, students should be able to demonstrate and evaluate professional development

OUTCOME	MEASUREMENT TOOL	BENCHMARK Based on Class Average	DATA	ACTION PLAN
<i>1. Students will research professionalism to develop a Personal Philosophy of Professionalism</i>	RAD 216 Professional Development - Research Paper Rubric – Purpose Section	≥ 3.00 on a 4.00 scale	Average Score of 4.00	2 nd Year using this specific measurement tool and 2 nd year of the average score being a perfect 4.00. We will use for 1 more cycle to see if there is a change. If not will look for a more useful assessment tool.
	RAD216 Professional Development – Research Paper Rubric – Quality of Research Section	≥ 3.00 on a 4.00 scale	Average Score of 3.88	Average score down slightly from last year’s 4.00. As this is just the 2 nd year using this specific measurement tool we will use for at least 2 more cycles to determine trend.
<i>2. Students will model professionalism in the clinical arena</i>	Clinical Performance Evaluation – Statement #1: <i>Rank student’s performance related to Professionalism (i.e., compassion, openness, respect, excellence, honesty, integrity, self-confidence, reliability, dependability, non-judgmental behavior, accountability)</i>	≥ 3.00 on a 4.00 scale	Average Score of 3.93	Saw another increase from last year’s average of 3.84. We have now seen 4 cycles of meeting benchmark and with the score increasing each cycle so measurement tool will be retired.
	Clinical Management Evaluation – Statement #3 - Clinical Quality <i>Procedures meet high standards of accuracy, thoroughness, professionalism and demonstrates logical sequence in performing exams.</i>	≥ 3.75 on a 4.00 scale	Average Score of 3.89	This is the first year of changing Measurement Tool scoring and Benchmark. Will need to watch for at least 2 more cycles to determine trend.

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Goal #5: At the end of the program, students should be able to meet the needs of the community (Program Effectiveness)

OUTCOME	MEASUREMENT TOOL	BENCHMARK	DATA	ACTION PLAN
<i>1. Students entering the program will complete the program</i>	Student records	≥ 80% Graduation Rate	89% 8 of 9 Students	Benchmark met. As this is JRCERT required data, no change will be made with this Measurement Tool.
<i>2. Graduates will pass the ARRT Board Examination on the first attempt</i>	ARRT Board pass rate	100%	100% 8 of 8 Students	All of the graduates who took the exam passed on the first attempt which gives the program a 5-Year Average Pass Rate of 97.1% (34 out of 35).
<i>3. Graduates will be satisfied with the educational program</i>	Exit Evaluation – Question #8 – <i>Would you recommend the program to other persons interested in pursuing an education in radiology?</i>	100% of those completing the survey respond “Yes”	100% 6 of 6 Graduates (6 of the 8 Graduates completed the survey)	1 st time using this Measurement Tool so will use for at least 3 cycles to determine trends.
	Graduate Survey (sent 12 months after graduation) – Statement # 3 – <i>Do you believe your education prepared you to assume the role of an entry-level radiographer?</i>	100% of those completing the survey respond “Yes”	100% 4 of 4 Graduates (4 of the 7 Graduates completed the survey)	1 st time using this Measurement Tool so will use for at least 3 cycles to determine trends.
<i>4. Employers will hire UPH-DM graduates</i>	Employer Survey – Question # 4 – <i>If you had any current openings, would you consider hiring another graduate from our program?</i>	100% of those completing the survey respond “Yes”	100% 3 of 3 Employers	4 of the 4 Graduates gave permission to survey their employers only 2 gave contact information of employers. We are seeing a very positive trend but will continue to use tool for at least one more cycle. Will hope for a larger pool of responses for next cycle.

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<p>5. <i>Of those seeking employment, graduates will be employed within 12 months of graduation</i></p>	<p>Graduate Survey – Question # 1 – <i>Are you currently employed in radiography? If no, please explain (i.e., lack of job opportunities, attending educational program, etc.)</i></p>	<p>100% of those seeking employment respond “Yes”</p>	<p>100 % 4 of 4 Graduates <i>4 of the 7 Graduates completed the survey)</i></p>	<p>3rd Year in a row of having a 100% job placement. Although only 4 of the 7 responded, it is known through other correspondence that all 7 are working as radiographers. Will continue to use Measurement Tool to determine if the positive trend continues and this is required JRCERT data.</p>
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Actions Plans:

Develop Assessment Committee to review current and future Assessment Plans.