

**Radiation Therapy Program
Outcomes Assessment Plan 2018-2021**

Mission: to provide academic, clinical and professional education of exceptional value to students, and to graduate radiation therapy students with required and desirable, entry-level employment skills

Goal 1: Clinical Competence	(3) Student Learning Outcomes/ Benchmark(s)	Results	Measurement Tool(s)	Frequency/responsible group	Action Plans/Comments
<ul style="list-style-type: none"> • Technical skills • Cognition • Theory application 	<p>1. Students will demonstrate technical knowledge and skill commiserate with level of education such as: timely completion of procedures, record keeping, verification of parameters before procedures, manipulation of devices and aids</p> <p>3.0/4.0 Year 1 3.2/4.0 Year 2</p>		<p>Clinical performance evaluations; Psychomotor domain section questions #2, 4, 7, 8</p>	<p>Clinical staff of affiliated sites score students each semester. Clinical coordinator tracks and records average scores for the cohort</p>	
	<p>2. Students will demonstrate cognitive abilities in the clinical setting, appropriate to level of education such as: application of theory to clinical activities, verbal expression of thought processes when making decisions, appropriate use and operation of equipment</p> <p>3.0/4.0 Year 1 3.2/4.0 Year 2</p>		<p>Clinical performance evaluations; Cognitive domain section, questions #1,4,6</p>	<p>Clinical staff of affiliated sites score students each semester. Clinical coordinator tracks and records average scores for the cohort</p>	

	<p>3. Students will integrate and apply theories and principles to “Phase IV” Physics Rotation clinical assignments that require comparison and contrast of treatment plans for specific anatomic areas.</p> <p>3.0/4.0</p>		Phase IV Physics Rotation clinical objectives	Radiation oncology physicists/dosimetrists scores assignments	
<p>Goal 2: Critical Thinking</p> <ul style="list-style-type: none"> Foster and develop critical, analytical and problem solving skills 	<p>(3) Student Learning Outcomes/ Benchmarks</p> <p>1. Students will show progressive, relative proficiency in describing the rationale for therapy planning during simulation procedure journaling</p> <p>2.5/4.0 Year 1 3.0/4.0 Year 2</p>	<i>Result</i>	Measurement Tool(s)	Frequency/responsible group	<i>Action Plan</i>
			Simulation journal entries	Clinical coordinator uses 4 point scoring rubric to score the rationale section of simulation journals each semester, then documents scores in the cohort’s critical thinking grid	
			2. Students will show progressive, relative proficiency in describing rationale for treatment delivery strategies during written case study assignments		Case studies

	2.5/4.0 Year 1 3.0/4.0 Year 2			cohort's critical thinking grid	
	3. Students will show progressive, relative proficiency in describing appropriate treatment planning procedures 2.0/4.0 Sim Procedures II 3.0/4.0 Sim Procedures III		Oral examination for Sim. Procedures II and III	Course instructor for Sim. Procedures II and III; end of corresponding semester	
Goal 3: Communication Skills	(4) Student Learning Outcomes/ Benchmarks	Result	Measurement Tool(s)	Frequency/responsible group	Action Plan
<ul style="list-style-type: none"> Foster and develop oral and written communication skills 	1. Students will orally present with progressive, relative proficiency in content, organization and delivery 2.5/4.0 Year 1 3.5/4.0 Year 2		Student oral presentation scoring rubric; oral presentation section-Principle and Practices I (year 1), Health Services II (year 2)	Course instructors use the oral presentation 4-point scoring rubric and document on grade sheets.	
	2. Students will successfully conduct written research on topics related to radiation therapy with		Student written presentation scoring rubric;	Final semester/course instructor	

	appropriate content, organization, and use of reference materials 3.0/4.0		Senior seminar course, essay/research assignment		
	3. Students will demonstrate effective communication skills with patients, peers and patient care team in clinical settings 2.5/4.0 Year 1 3.5/4.0 Year 2		Clinical performance evaluation; affective domain	Clinical staff at affiliated sites score each student, each semester. Clinical coordinator tracks and records scores	
	4. Graduates will demonstrate effective communication skills with patients, peers and patient care team 3.0/4.0		Employer survey; question #12	Employers are surveyed at a minimum 12 months after graduation. Results are compiled and documented in a summary report.	
Goal 4: Professionalism	(2) Student Learning Outcomes/ Benchmarks	Result	Measurement Tool(s)	Frequency/responsible group	Action Plan
<ul style="list-style-type: none"> Instill ideals supportive of professional growth and development 					

	<p>1. Students will successfully prepare and display campaign for career promotion and patient advocacy.</p> <p>3.5/4.0</p>		<p>National Radiologic Technologist Week promotion and patient advocacy assignment; Senior seminar course career promotion assignment evaluation rubric</p>	<p>Clinical staff, clinical coordinator and program director evaluate student performance on campaign. Evaluation rubric used measures accuracy of content, level of comprehension, visual display and appearance, creativity and relevance to the theme.</p>	
	<p>2. Graduates will demonstrate professional characteristics in the workplace including professionalism and adherence to the profession's ethical code</p> <p>3.0/4.0</p>		<p>Employer surveys; question #8,11</p>	<p>Employers are surveyed at minimum twelve months after graduation. Results are compiled and documented in a summary report prepared by the department or college administrative assistant.</p>	

Goal 5: Maintain an Optimal Teaching and Learning Environment	(4) Program effectiveness Outcomes/ Benchmarks	<i>Results</i>	Measurement Tool(s)	Frequency/responsible group	<i>Action Plan</i>
	<p>1. Students will assess and show satisfaction with the overall quality of instruction in online and traditional delivery formats</p> <p>3.5/4.0</p>		Course evaluation forms	Students complete course evaluations at the end of each semester. Results are compiled and forwarded to course instructors. Each instructor reports results to the program director and scores are averaged	
	<p>2. Students will evaluate and show satisfaction with the overall quality of clinical education</p> <p>2.5/4.0</p>		Clinical rotation evaluation forms	Following each rotation, students are asked to complete clinical site evaluations. Results are compiled by the clinical coordinator and distributed to clinical supervisors	
	<p>3. Students will assess received advice, mentoring and counseling provided by clinical supervisors</p> <p>3.0/4.0</p>		Clinical rotation evaluation forms; clinical supervisor section	Following each rotation, clinical coordinator collects clinical site evaluations from students and reports ratings in the 'clinical supervisors' section.	

	4. Graduates will communicate satisfaction with the quality of education by being willing to recommend program to others 90%/100		Exit interview; question related	Program director distributes written exit surveys to graduates. Department or college administrative assistant collects surveys, compiles data and submits report to program director	
Goal 6: Program Completion and Retention	(2) Program effectiveness Outcomes/ Benchmarks	Result	Measurement Tool(s)	Frequency/responsible group	Action Plan
<ul style="list-style-type: none"> Employ admissions processes with the greatest potential for academic success and program completion 	1. Students will successfully complete all program requirements within 150% of program length (1 year post grad. date) 80%		Cohort report cards	Program director will track number of students beginning in cohort against number of graduates as far out as 1 year beyond expected graduation date	
	2. Students will successfully complete all didactic courses above minimum admissions academic standard 85% ~ 2.7 minimum admissions GPA		Cohort report cards	Course instructors submit student final percentage scores. All scores are entered into the cohort report card by program director; excel program averages scores for each student and entire cohort	

Goal 7: Professional Practice Preparedness	(4) Program effectiveness Outcomes/ Benchmarks	Benchmark/ Result	Measurement Tool(s)	Frequency/responsible group	Action Plan
Facilitate professional Practice Preparedness as perceived by graduates and employers a. clinical skill b. ethical practices c. continued development d. adaptability	1. Students will demonstrate technical and clinical skills required with minimal supervision in the final semester in the areas of equipment operations, simulation and delivery procedures, and patient care 3.0/4.0		Phase IV Clinical objectives	Clinical staff will score students using the Phase IV Clinical objectives. Coordinator collects and calculates scores for each student and averages for the cohort.	
	2. Graduates will express overall satisfaction with the program 4.0/5.0		Graduate survey	Program director mails graduate surveys to graduates at a minimum 6 months after graduation date. Data is collected and compiled by the department of college administrative assistant and reported	
	3. Senior students will accurately describe the benefits of professional organization membership, licensure, certification and scholarly activity 90%/100		Senior seminar quiz	Course instructor submits grades on senior seminar quiz; scores are averaged for the cohort	
	4. Employers will express overall satisfaction with graduates 3.0/4.0		Employer survey	Annual/program director sends out surveys minimum 12 months post-graduation	

	<p>4. Graduates will obtain employment within six months of graduation</p> <p>75%</p>		<p>Exit survey and Graduate survey</p>	<p>Program director administers written surveys to graduates and mails graduate surveys at a minimum 6 months following graduation that include question related to employment</p>	
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