

Exhibit

Comparison of the Mission and Values of the University and College of Health Professions with the Radiation Therapy Program

University	College of Health Professions	Radiation Therapy Program
Mission		
<p>Grand Valley State University educates students to shape their lives, their professions and their societies. The university contributes to the enrichment of society through excellent teaching, active scholarship and public service.</p>	<p>The mission of the College of Health Professions is to prepare reflective professionals with the foundation necessary to serve and guide healthcare.</p>	<p>The mission of the Grand Valley State University Radiation Therapy program is to graduate students who are able to:</p> <ul style="list-style-type: none"> - demonstrate knowledge in appropriate didactic areas and integrate this knowledge into clinical practice - utilize critical thinking skills to analyze clinical radiation oncology data in order to provide high quality patient care - engage in scholarly endeavors focused on providing superior quality radiation oncology care to patients - communicate and collaborate effectively with respect for human diversity - value and participate in continuing education, community service, and scholarly endeavors as part of a lifelong commitment toward personal and professional growth

University	College of Health Professions	Radiation Therapy Program
Values/Goals		
<p>Effective TeachingOur highest priority is to offer outstanding teaching in all of our undergraduate and graduate programs. The teaching culture of Grand Valley State University is characterized by the continual development of excellence in the classroom, the recognition of multiple ways of learning, and the accessibility of faculty to students. In order to nurture the habits of intellectual growth, we seek to instill in our students curiosity as well as the love of learning. Students acquire new knowledge and explore its application through research, artistic expression, and scholarly activity. We value the vigorous engagement of students in the classroom and other learning environments</p>	<p>We value: A society in which all individuals have access to an optimal quality of life</p>	<p>1. perform beyond minimum entry-level radiation therapist skills according to the American Society of Radiologic Technologists' scope of practice for the radiation therapist, the American Society of Radiologic Technologists' Radiation Therapy Professional Curriculum, American Registry of Radiologic Technologists content specifications for the Examination in Radiation Therapy, and the minimum Standards for An Accredited Educational Program in the Radiologic Sciences of the Joint Review Committee on Education in Radiologic Technology.</p> <p>This includes, but is not limited to the ability to:</p> <ol style="list-style-type: none"> 1. chart records of treatment administered 2. calculate of treatment times and radiation doses 3. correlate topographical and cross-sectional anatomy in localization of anatomical structures and treatment sites. 4. explain principles of radiation physics applied in the practice of radiation therapy technology 5. operate radiation producing equipment in all phases of treatment set-up and delivery 6. deliver a course of radiation therapy following the physician's prescription and the planned method of delivery 7. interpret isodose summations and treatment plans prepared by hand or by computer for the set-up of the patient and the delivery of the treatment prescription 8. utilize treatment accessories in the delivery of a planned treatment 9. verify correctness of delivery and provision of consistent daily treatment set-up 10. recognize and correct errors in calculation and/or delivery of a course of treatment 11. select appropriate immobilization and beam directional devices 12. apply common radionuclide sources for brachytherapy 13. perform machine calibration and quality assurance testing 14. detect malfunctioning equipment and act to insure the safety of patients and personnel 15. perform procedures for protection from sources of radiation exposure 16. provide basic patient nursing care and cardio-pulmonary resuscitation 17. select appropriate psychological support mechanism and interact daily with the patient under treatment 18. perceive patterns of physical and emotional stress exhibited by cancer patients 19. recognize patient clinical progress, symptoms of disease progression, the complications and side-effects of a treatment course 20. consult with physicians as appropriate for total quality care of the patient 21. assist with a program of continuing patient care or follow-up 22. interact in a professional manner with other health care personnel involved in the treatment of the patient
<p>Liberal Education Grand Valley State University is committed to</p>	<p>We value: The University's goals of</p>	<p>2. prepare students to</p>

University	College of Health Professions	Radiation Therapy Program
<p>providing each student a broad educational experience that integrates liberal learning with preparation for career or profession. Liberal education begins with encountering the great ideas of diverse traditions in the humanities, the creative and performing arts, the natural and social sciences and mathematics, and is an essential part of all of our professional programs. We value the liberal ideals of critical thinking and preparing students for lifelong learning. The practice of liberal learning develops the skills of inquiry and reflection, which guide students to think for themselves, gain self-knowledge, and make ethical judgments. Such learning can inform individual and collective actions and prepare students for the responsibility of local, national, and global citizenship.</p>	<p>education , research and public service. Critical thinking and creative problem solving.</p> <p>The responsibilities that individuals exhibit in their pursuit of physical, emotional and spiritual wellness.</p> <p>Personal and professional integrity and ethical standards</p>	<p>meet professional specifications established for national registration by the A.R.R.T. in radiation therapy technology.</p> <p>4. function as an active member of the health care team.</p>
<p>Scholarship Scholarship is an essential component of the university's mission as an institution of higher learning and community service. Excellence in teaching at the university level depends upon active scholarship by faculty members. Through basic and applied research, artistic expression and performance, and other forms of scholarship, faculty members contribute to the development and application of knowledge, and create a dynamic environment for learning. Active scholarship may include collaboration of faculty and staff with students, business and labor, government, and community organizations. In this way, the benefits of a liberal education can extend beyond classroom walls to lifelong learning and partnerships between the university and its</p>	<p>We value: Dissemination of knowledge to further the professions represented in the School Advancement of knowledge through scholarly activity. Life-long learning on the part of students and faculty. Taking advantage of technological advances.</p> <p>Initiative and innovation in health care reform as appropriate.</p>	<p>5. participate in the advancement of knowledge through research.</p>

University	College of Health Professions	Radiation Therapy Program
diverse communities.		
<p>Diversity and Community A range of thoughtful perspectives is necessary for open inquiry, liberal education, and a healthy community. Recognizing this, we seek and welcome a diverse group of students, faculty and staff. We value a multiplicity of opinions and backgrounds and seek ways to incorporate the voices and experiences of all into our university. We value our local community and embrace the participation of individuals and groups from Michigan, the nation and the world. We also encourage participation in educational opportunities abroad. In order to foster a healthy and diverse environment, we will act with integrity, communicate respectfully, and accept responsibility for our words and actions.</p>	<p>We value: Cultural diversity Equality of opportunity and responsibility for ethnic and minority involvement.</p>	<p>3. build upon sound principles of general education by learning how to communicate well, think analytically, be intellectually adaptive, integrate knowledge and experience from different disciplines, apply ethical standards and values to the practice of radiation therapy technology, and appreciate social and cultural diversity.</p>
<p>Service We at Grand Valley State University value the collaboration of faculty, staff and students with external partners in addressing mutual interests and regional needs. The university offers the communities it serves resources and inspiration in their own lifelong pursuit of knowledge. Faculty and staff are encouraged to contribute their expertise and service to the university, their disciplines' professional organizations and the community. Students are encouraged to be active citizens, to become active service providers, and to take part in various service learning and volunteer opportunities in the community and abroad.</p>	<p>We value: Effective collaboration with professional associations, community agencies and organizations, government and the public.</p>	<p>6. engage in lifelong learning and service</p>

Exhibit
Radiation Therapy Program Assessment Plan for Outcomes Evaluation

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Primary Program Assessment Areas					
program completion rate	<20% program cohort attrition >80% program cohort retention	program course class lists	all semesters	end of each term	Radiation Therapy Program Director
clinical performance and clinical competence	100% of graduates will complete 100% of mandatory clinical competency evaluations AND 25% of all optional clinical competency evaluations AND 100% of all clinical advising goals	Student transcript	2nd winter semester	end of program	Radiation Therapy Program Director
	80% of graduates pass ARRT examination in radiation therapy on first attempt within 6 months of graduation	ARRT reports and graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
	80% of graduates employed in radiation sciences OR enrolled in graduate or advanced professional school within 6 months of graduation	ARRT reports and graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
problem solving skills and critical thinking	100% of graduates will complete RAD 490 Advanced Clinical Problems in Radiation Therapy (program capstone course)	Student transcript	2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
communication skills	100% of graduates will pass all university communication requirements for a baccalaureate degree	Student transcript	semester selected by student	end of program	Radiation Therapy Program Director
professional growth and development	100% of students will engage in at least 1 professional meeting AND 1 elective academic or clinical project or course per year	Student interview	1st & 2nd winter semester	end of program	Radiation Therapy Program Director
graduate satisfaction	95% of graduates will rank the program experience at or above pre-enrollment expectations	graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
employer satisfaction	95% of employers will rank graduates above average in clinical skills, professional engagement, and interpersonal relationships	employer follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Program Mission Statement					
- demonstrate knowledge in appropriate didactic areas and integrate this knowledge into clinical practice	100% of students will have satisfactory completion of all mandatory clinical education competency and clinical advising goal requirements	Student transcript Clinical affective behavior evaluations	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
- utilize critical thinking skills to analyze clinical radiation oncology data in order to provide high quality patient care	85% of students will earn a grade of 80% in RAD 490 Advanced Clinical Problems in Radiation Therapy (program capstone course)	Student transcript	2nd winter semester	end of program	Radiation Therapy Program Director
- engage in scholarly endeavors focused on providing superior quality radiation oncology care to patients	85% of graduates will earn a grade of 80% in at least one university research course	Student transcript	semester selected by student	end of program	Radiation Therapy Program Director
- communicate and collaborate effectively with respect for human diversity	90% of graduates will receive excellent or good ratings on clinical communication skills	Clinical affective behavior evaluations	semester selected by student	end of program	Radiation Therapy Program Director
- value and participate in continuing education, community service, and scholarly endeavors as part of a lifelong commitment toward personal and professional growth	80% of graduates participate in professional meetings OR return for graduate or advanced professional school OR are actively engaged in research OR have published OR have presented at a professional meeting OR are active in a community service organization	graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
perform beyond minimum entry-level radiation therapist skills according to the American Society of Radiologic Technologists' scope of practice for the radiation therapist, the American Society of Radiologic Technologists' Radiation Therapy Professional Curriculum, American Registry of Radiologic Technologists content specifications for the Examination in Radiation Therapy, and the minimum Standards for An Accredited Educational Program in the Radiologic Sciences of the Joint Review Committee on Education in Radiologic Technology.					
1. chart records of treatment administered	satisfactory completion of RAD 300 Introduction to Radiation Therapy	Student transcript	1st fall semester	end of term	Radiation Therapy Program Director
2. calculate of treatment times and radiation doses	satisfactory completion of RAD 420, 421 Radiation Therapy Physics I-II series and RAD 430 Radiation Therapy Treatment Planning and RAD 431 Introduction to Medical Dosimetry	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
3. correlate topographical and cross-sectional anatomy in localization of anatomical structures and treatment sites.	satisfactory completion of RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
4. explain principles of radiation physics applied in the practice of radiation therapy technology	satisfactory completion of RAD 321 Radiation Biology and RAD 420, 421 Radiation Therapy Physics I-II series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
5. operate radiation producing equipment in all phases of treatment set-up and delivery	satisfactory completion of RAD 300 Introduction to Radiation Therapy and RAD 341, 342, 440, 441	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
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	Radiation Therapy Principles & Practices I-IV series and RAD 420, 421 Radiation Therapy Physics I-II series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series				
6. deliver a course of radiation therapy following the physician's prescription and the planned method of delivery	satisfactory completion of RAD 430 Radiation Therapy Treatment Planning and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
7. interpret isodose summations and treatment plans prepared by hand or by computer for the set-up of the patient and the delivery of the treatment prescription	satisfactory completion of RAD 430 Radiation Therapy Treatment Planning and RAD 431 Introduction to Medical Dosimetry	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
8. utilize treatment accessories in the delivery of a planned treatment	satisfactory completion of RAD 300 Introduction to Radiation Therapy and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
perform beyond minimum entry-level radiation therapist skills according to the American Society of Radiologic Technologists' scope of practice for the radiation therapist, the American Society of Radiologic Technologists' Radiation Therapy Professional Curriculum, American Registry of Radiologic Technologists content specifications for the Examination in Radiation Therapy, and the minimum Standards for An Accredited Educational Program in the Radiologic Sciences of the Joint Review Committee on Education in Radiologic Technology.					
9. verify correctness of delivery and provision of consistent daily treatment set-up	satisfactory completion of RAD 300 Introduction to Radiation Therapy and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
10. recognize and correct errors in calculation and/or delivery of a course of treatment	satisfactory completion of RAD 430 Radiation Therapy Treatment Planning and RAD 431 Introduction to Medical Dosimetry	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
11. select appropriate immobilization and beam directional devices	satisfactory completion of RAD 300 Introduction to Radiation Therapy and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
12. apply common radionuclide sources for brachytherapy	satisfactory completion of RAD 420, 421 Radiation Therapy Physics I-II series and RAD 430 Radiation Therapy	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
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	Treatment Planning and RAD 431 Introduction to Medical Dosimetry				
13. perform machine calibration and quality assurance testing	satisfactory completion of RAD 311 Quality Assurance in Radiation Therapy and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
14. detect malfunctioning equipment and act to insure the safety of patients and personnel	satisfactory completion of RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
15. perform procedures for protection from sources of radiation exposure	satisfactory completion of RAD 321 Radiation Biology and RAD 420, 421 Radiation Therapy Physics I-II series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
16. provide basic patient nursing care and cardio-pulmonary resuscitation	satisfactory completion of RAD 310 Radiation Therapy Patient Care and CPR certificate requirements	Student transcript	1st fall semester	end of term	Radiation Therapy Program Director
17. select appropriate psychological support mechanism and interact	satisfactory completion of one advanced psychology	Student	1st fall	end of	Radiation Therapy

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
perform beyond minimum entry-level radiation therapist skills according to the American Society of Radiologic Technologists' scope of practice for the radiation therapist, the American Society of Radiologic Technologists' Radiation Therapy Professional Curriculum, American Registry of Radiologic Technologists content specifications for the Examination in Radiation Therapy, and the minimum Standards for An Accredited Educational Program in the Radiologic Sciences of the Joint Review Committee on Education in Radiologic Technology.					
daily with the patient under treatment	course including content on death and dying and RAD 310 Radiation Therapy Patient Care	transcript	semester	term	Program Director
18. perceive patterns of physical and emotional stress exhibited by cancer patients	satisfactory completion of one advanced psychology course including content on death and dying and RAD 310 Radiation Therapy Patient Care	Student transcript	1st fall semester	end of term	Radiation Therapy Program Director
19. recognize patient clinical progress, symptoms of disease progression, the complications and side-effects of a treatment course	satisfactory completion of RAD 310 Radiation Therapy Patient Care and RAD 321 Radiation Biology and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
20. consult with physicians as appropriate for total quality care of the patient	satisfactory completion of RAD 310 Radiation Therapy Patient Care and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #1					
perform beyond minimum entry-level radiation therapist skills according to the American Society of Radiologic Technologists' scope of practice for the radiation therapist, the American Society of Radiologic Technologists' Radiation Therapy Professional Curriculum, American Registry of Radiologic Technologists content specifications for the Examination in Radiation Therapy, and the minimum Standards for An Accredited Educational Program in the Radiologic Sciences of the Joint Review Committee on Education in Radiologic Technology.					
21. assist with a program of continuing patient care or follow-up	satisfactory completion of RAD 310 Radiation Therapy Patient Care and RAD 341, 342, 440, 441 Radiation Therapy Principles & Practices I-IV series and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director
22. interact in a professional manner with other health care personnel involved in the treatment of the patient	satisfactory completion of SHP 408 Professional Roles/Issues in Health Care and RAD 361, 362, 460, 461, 462 Radiation Therapy Clinical Education I-V series	Student transcript	1st fall through 2nd winter semester	end of program	Radiation Therapy Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
From Values/Goals #2-6					
2. prepare students to meet professional specifications established for national registration by the ARRT in radiation therapy technology	80% of graduates pass ARRT examination in radiation therapy on first attempt within 6 months of graduation	ARRT reports and graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
3. build upon sound principles of general education by learning how to communicate well, think analytically, be intellectually adaptive, integrate knowledge and experience from different disciplines, apply ethical standards and values to the practice of radiation therapy technology, and appreciate social and cultural diversity.	90% of employed graduates receive ratings above average on at least 5 of these 6 criteria according to their current employer	employer follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
4. function as an active member of the health care team.	95% of graduates employed in radiation sciences OR enrolled in graduate or advanced professional school	graduate and employer follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director
5. participate in the advancement of knowledge through research.	70% of graduates participate in professional meetings OR return for graduate or advanced professional school OR are actively engaged in research OR have published OR have presented at a professional	graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director

Intended Outcome	Benchmark	Data Collection and Analysis			
		Tool	Time Frame		Person Responsible
			Data Collection	Analysis	
	meeting				
6. engage in lifelong learning and service	80% of graduates participate in professional meetings OR return for graduate or advanced professional school OR are actively engaged in research OR have published OR have presented at a professional meeting OR are active in a community service organization	graduate follow up survey	July 1, 2, 3, 4, and 5 years post graduation	fall term	Program Director