**MTC Radiation Therapy Program Assessment Plan**

**Goal 1: Students will demonstrate competency in the clinical setting.**

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| **Outcome** | **Assessment Tool** | **Benchmark** | **Timeframe** | **Person** | **Results** | **Analysis** | **Action Plan** |
| 1a. Students will demonstrate competency in simulation. | Simulation Competency Evaluation Form | ≥ 80% of competencies are passed by all students on the first attempt | Annually in the spring semester |  |  |  |  |
| Simulation Competency Evaluation Form | ≥ 90% of competencies are passed by all students on the first attempt | Annually in the summer semester |  |  |  |  |
| 1b. Students will demonstrate competency in treatment delivery. | Treatment Procedure Competency Evaluation | ≥ 90% of competencies are passed by all students on the first attempt | Annually in the summer semester |  |  |  |  |
| Clinical Evaluation ***treatment machine*** (Items 21-35)  **21-25 Patient Alignment skills**  **26-35 Attention to clinical data.**   1. Refers to instructions and photographs 2. Assures that the patient is correctly located on couch prior to beginning setup. 3. Assists the therapist in positioning of the patient according to the treatment plan, manipulating the patient with minimal discomfort. 4. Sets the correct treatment distance. 5. Makes necessary shifts and adjustments as indicated in the patient chart. 6. Is able to find all pertinent treatment information in the patient’s chart. 7. Assures treatment chart is up to date (photographs, notes etc.). 8. Selects the correct immobilization device when applicable. 9. Selects and properly positions the correct beam modifier when applicable. 10. Recognizes treatment changes by looking in the chart. 11. Routinely reviews the physician’s prescription. 12. Verifies treatment parameters are properly downloaded or sets correct field size, correct collimator angle, gantry angle. 13. Utilizes record and verify system correctly. 14. Follows imaging and SSD verification policies. 15. Monitors patient visually. | ≥ 3 (on a scale of 1 to 4) average on students’ final evaluation | Annually- August |  |  |  |  |
| 1c. Students demonstrates principles of radiation protection. | Treatment Procedure Competency Evaluation form  (Item 16)  16. Demonstrated radiation safety practices | ≥ 90% “yes” response on first attempt | Annually- August |  |  |  |  |
| Simulation Competency Evaluation (Item 13)  13. Demonstrates radiation safety practices. | ≥ 90% “yes” on first attempt | Annually- August |  |  |  |  |

**Goal 2: Students will think critically.**

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| **Outcome** | **Assessment Tool** | **Benchmark** | **Timeframe** | **Person** | **Results** | **Analysis** | **Action Plan** |
| 2a. Students demonstrate good judgment and decision-making. | Professional Development Evaluation (final)  (Item 10)  **Problem Solving/Critical Thinking Category.**  1 - 2. Requires assistance, unable to adapt to a new situation  3 - 4 with time is able to adapt to a new situation  5 Able to solve unusual situations and begin task | ≥ 3.5 (on a scale of 1 to 5) | Annually- August |  |  |  |  |
| Scripting and Thermoplastic Construction Simulation Lab (Item 7)  7.The student selected the appropriate headrest to accommodate patient comfort and physician orders. | 90% of students will select the appropriate headrest | Annually – fall semester |  |  |  |  |
| 2b. Students recognize discrepancies and develop solutions to clinical situations. | Clinical Evaluation ***Treatment Machine*** **(Items 15 & 20) Patient Contact and Communication**  15. Recognizes patient’s physical limitations and makes adjustments accordingly.  20. Recognizes the need for the patient to be referred to the physician or nurse for abnormal treatment reactions | ≥ 3 (on a scale of 1 to 4) average on students’ final evaluation | Annually- August |  |  |  |  |
| Clinical Evaluation ***Simulation***  **(Items 15 & 20) -** **Patient Contact and Communication**  15. Recognizes patient’s physical limitations and makes adjustments accordingly.  20. Explains the procedure to the patient answering questions accurately, referring the patient appropriately for additional information when necessary. | ≥ 3 (on a scale of 1 to 4) average on students’ final evaluation | Annually- August |  |  |  |  |

**Goal 3: Students will communicate effectively.**

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| **Outcome** | **Assessment Tool** | **Benchmark** | **Timeframe** | **Person** | **Results** | **Analysis** | **Action Plan** |
| 3a. Students demonstrate effective written communication skills. | MTC Writing Rubric on RTH 205 final project | ≥ 90% (5-year class average) | Annually – December |  |  |  |  |
| Writing unit grade for Modern Radiation Therapy Research (RTH 211) | ≥ 90% (5-year class average) | Annually -August |  |  |  |  |
| 3b. Students demonstrate effective oral communication skills. | Professional Development Evaluation (final)  (Item 12)  **Communication**  1-2 Lacks ability to communicate ideas effectively, may avoid communication in difficult situations  3-4 sufficient ability but may need prompting in difficult situations  5 always articulate and clearly communicates with both patients and staff | ≥ 3.5 (on a scale of 1 to 5) | Annually -August |  |  |  |  |
| Scripting and Thermoplastic Construction Simulation Lab  (Item 11) Dialog between the patient and student was professional, informative, and respectful.  Patient questions were answered appropriately. | ≥ 8.5 (on a scale of 1 to 10) class average | Annually –  Fall semester |  |  |  |  |

**Goal 4: Students will demonstrate professional attitudes, behaviors, growth and ethics.**

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| **Outcome** | **Assessment Tool** | **Benchmark** | **Timeframe** | **Person** | **Results** | **Analysis** | **Action Plan** |
| 4a. Students conduct themselves in an ethical and professional manner. | HIPAATraining.com Module Final Exam | ≥95% class average | Annually – May |  |  |  |  |
| MTC Work Ethic Rubric total score | ≥ 90 (out of 100) class average score | Annually – May |  |  |  |  |
| MTC Work Ethic Rubric total score | ≥ 95 (out of 100) class average score | Annually - August |  |  |  |  |
| 4b. Students work effectively with supervisory personnel. | Clinical Evaluation ***Simulation***  (Item 40)  40.Is cooperative to suggestions and new ideas, willing to take instruction, correction, and direction from staff. | ≥ 3 (on a scale of 1 to 4) average on students’ final evaluation | Annually – August |  |  |  |  |
| Clinical Evaluation ***Treatment Machine***  (Item 40)  40.Is cooperative to suggestions and new ideas, willing to take instruction, correction, and direction from staff. | ≥ 3 (on a scale of 1 to 4) average on students’ final evaluation | Annually – August |  |  |  |  |

**Goal 5: The graduates will become registered radiation therapists employed in their field.**

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| **Outcome** | **Assessment Tool** | **Benchmark** | **Time Frame** | **Person** | **Results** | **Analysis** | **Action Plan** |
| 5a. Graduates will pass the ARRT exam. | ARRT Registry Results | 75% of graduates will pass their first attempt of registry | Annually |  |  |  |  |
| 5b. Graduates will perform as entry level therapists. | MTC Alumni Satisfaction Survey (Item 7) | ≥ 3.0 (on a scale of 1 to 4) average satisfaction rating | Every three years – May |  |  |  |  |
| MTC Employer Satisfaction Survey (Item 4) | ≥ 80% of employers are satisfied with graduates’ technical preparation | Every three years - May |  |  |  |  |
| 5c. Graduates seeking employment will find employment within 12 months of graduation. | MTC Annual Graduate Outcomes Survey | ≥ 80% five-year average of all graduates seeking employment find employment in radiation therapy within 12 months of graduation | Annually |  |  |  |  |
| 5d. Students will complete the program | Annual program completion rate as defined by JRCERT Standard 6.1 | ≥80% of students complete the program. | Annually |  |  |  |  |