**UNC Hospitals Radiation Therapy Program**

Assessment Plan**: Analysis and Actions**

**Fall (1st semester) 2023 – Summer (3rd semester) 2024**

**Reviewed July 2023 Program Development Committee**

**Mission Statement: The UNC Hospitals Radiation Therapy Program will produce competent, educated, and professional entry-level radiation therapists who will participate in scholarly activity and enhance overall patient care.**

**Goal 1: Students will be clinically competent.**

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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** | **Metrics** | **Action Plan** |
| Students will demonstrate acquisition of correct CT simulation skills. | Weekly Clinical Evaluation – Clinical Proficiency; The student performs a broad range of radiation therapy examinations (CT simulation rotation(s)) | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.25; 5 | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |
|  | Overall Clinical Evaluation – Clinical Performance (CT simulation rotation(s)) | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.2; 4.5 | The students met the formative, but not the summative benchmark. | The program director will remind the Class of 2024 of the challenges of the CT simulation rotation and encourage earlier participation and completion of the simulation competencies. |
| Students will evidence competency in treatment delivery skills. | Treatment Clinical Competency Evaluation – Student’s Behavioral Characteristics | Formative: A 10- on the 12-point scale  Summative: A 12- on the 12-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 11.9; 11.2 | The students met the formative, but not the summative benchmark. The summative score was less than the formative. | The program will re-evaluate the outcome, measurement tool, and benchmarks for 2024. At the summative timeframe, only the abutting fields treatment competency remained for the Class of 2023. |
|  | Overall Clinical Evaluation – Clinical Performance (Treatment rotations) | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.4; 4.8 | The students met the formative, but not the summative benchmark. | The program director will emphasize the importance of stellar clinical performance in the Summer semester regardless of job placement. |

**Goal 2: Students will demonstrate effective communication skills.**

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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** | **Metrics** | **Action Plans** |
| Students will effectively communicate with patients, therapists, faculty, and staff. | Weekly Clinical Evaluation –Behavioral Skills; The student communicates effectively within a healthcare setting | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.8; 5 | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |
|  | Treatment Clinical Competency Evaluation – 4) Explains procedure and confirms understanding | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.9; 4.7 | The students met the formative, but not the summative benchmark. The summative score was less than the formative. | The program will re-evaluate the outcome, measurement tool, and benchmarks for 2024. At the summative timeframe, only the abutting fields treatment competency remained for the Class of 2023. |
| Students will write at a proficient level by graduation. | Weekly writing assignments | Formative: An average score of at least 80%  Summative: An average score of at least 95% | Formative: Semester 1 (Fall)  Summative: Semester 2 (Spring) | Program Director (reported annually to the Development Committee) | 2023: 99.8%; 100% | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |
|  | Research paper | Formative: An average score of at least 80% on mid-project grading  Summative: An average score of at least 95% at final grading | Formative: Semester 1 (Fall)  Summative: Semester 2 (Spring) | Program Director (reported annually to the Development Committee) | 2023: 100; 97.25 | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |

**Goal 3: Students will develop critical thinking skills.**

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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** | **Metrics** | **Action Plans** |
| Students will apply didactic concepts and information into the clinical setting. | Treatment Clinical Competency Evaluation – Student’s Overall Comprehension Level of Patient Set-Up and Chart Write-Up | Formative: A 10- on the 12-point scale  Summative: A 12- on the 12-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 10.7; 10.8 | The students met the formative, but not the summative benchmark. | The program will re-evaluate the outcome, measurement tool, and benchmarks for 2024. At the summative timeframe, only the abutting fields treatment competency remained for the Class of 2023. |
|  | Overall Clinical Evaluation – Clinical Adaptability | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.3; 4.6 | The students met the formative, but not the summative benchmark. | The program director will emphasize the importance of stellar clinical performance in the Summer semester regardless of job placement. |
| Students will conceptualize current patient safety radiation therapy Lean A3 engineering principles. | RTT 560 Test 2 – Question 5 | An average score of at least 95% | Semester 1 (Fall) | Program Director (reported annually to the Development Committee) | 2023: 100% | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |
|  | A3 assignment | An average score of at least 95% | Semester 2 (Spring) | Program Director (reported annually to the Development Committee) | 2023: was an ungraded in-class activity |  | The program director created a required A3 assignment for RTT 92 Medical Radiation Physics II for the Class of 2024. |

**Goal 4: Students will grow and develop professionally.**

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| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** | **Metrics** | **Action Plans** |
| Students will demonstrate professional behaviors. | Weekly Clinical Evaluation –Behavioral Skills; The student conducts him/herself in an ethical and professional manner | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.9; 5 | The students met the benchmarks. | The program will evaluate the outcome, measurement tool, and benchmarks for 2024. |
|  | Overall Clinical Evaluation – Efficient Use of Educational Opportunities | Formative: A 4- on the 5-point scale  Summative: A 5- on the 5-point scale | Formative: Semester 1 (Fall)  Summative: Semester 3 (Summer) | Program Director (reported annually to the Development Committee) | 2023: 4.5; 4.9 | The students met the formative, but not the summative benchmark. | The program director will emphasize the importance of stellar clinical performance in the Summer semester regardless of job placement. |
| Students will participate in continuing education. | Submission of research paper for poster/ presentation | 95% of students submit | Annually | Program Director (reported annually to the Development Committee) | 2023: 0% - was voluntary |  | The program director created a required poster/ presentation submission assignment for RTT 596 Research Methodology & Design Statistics II for the Class of 2024. |
|  | Graduate Survey – I actively participate in continuing education activities. | 95% of respondents answer YES | Annually | Program Director (reported annually to the Development Committee) | 2023: to be surveyed in December 2023  2022: 100% (2/2 returned)  2021: 100% (1/1 returned)  2020: 0/4 surveys returned  2019: 100% (2/2 returned)  2018: 0/4 surveys returned | The students met the benchmark. | The program will evaluate the outcome, measurement tool, and benchmark for 2024. |

**Revised July 2023**