**Indiana University Northwest Radiation Therapy Program**

**Program Assessment Plan and Results**

**January 2017-December 2017**

The Bachelor of Science Radiation Therapy degree offered by Indiana University Northwest is designed to prepare students for professional careers as a Radiation Therapist in the medical field. By providing pertinent learning experiences, the program faculty strives to develop student’s interests in lifelong learning through the professional societies and continuing education.

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| **Goal 1: Students will demonstrate clinical competence.** | | | | | |
| **Student Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will be competent in positioning patients | Treatment Procedure Evaluation-Random sampling of five competencies per student in J351 and J452 | Greater than or equal to 90% of all students will achieve "Pass" | Spring semesters – 3rd and 4th year | Clinical Supervisors Program Director | Class of 2011 = 100%  Class of 2013= 100% (97.7%)  Class of 2015= 100% (90.9%)  Class of 2017=100% ( |
| Students will accurately perform technical aspects of treatment delivery | Treatment Unit Evaluation (Question IV)-Two per student in J351and J452 | Greater than or equal to 4.0/5.0 | Spring semesters – 3rd and 4th year | Clinical Supervisors Program Director | Class of 2013= 4.2  Class of 2015=4.5 |
| Students will practice radiation protection. | Professional Skills Evaluation (Question VIII)-Two per student in J351 and J452 | Greater than or equal to 4.0/5.0 | Spring semesters – 3rd and 4th year | Clinical Supervisors Program Director | Class of 2013= 5.0  Class of 2015=5.0 |
| R260 Radiation Biology and Protection Final Exam Grade | Overall class average will exceed 85% | Spring semester -3rd year | Course Instructor | Class of 2013 = 89%  Class of 2015= 91.6%  Class of 2017=83% Avg. |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met. Evaluate competencies not passed and address those issues in classroom as well as clinical. Consult with clinical supervisors to discuss likewise.

**SLO 2 –Tool 1:** Benchmark met. The completion of competencies is required to graduate from the program. Overall course average continues to be strong.

**SLO 3 –Tool 1:** Benchmark met. All students are informed and comply with standards of safety and radiation protection.

**SLO 3 –Tool 2:** Benchmark not met. While this is a cognitive tool, faculty believes it is the foundation for safe practice. Some students struggled with Radbio in the Class of 2017.

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| **Goal 2: Students will demonstrate effective communication skills.** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will demonstrate oral communication skills. | J303 Oral Case Study Assignment | Class average will exceed 90% | Fall semester -4th year | Course Faculty | Class of 2013=100% (93.7% Avg.)  Class of 2015=100% (90.9% Avg.) |
| Professional Skills Evaluation (Question 3)- J451 | Class average will exceed 90% (2011) or 4.0/5.0 | Fall semester-4th year | Clinical Supervisors Program Director | Class of 2011= 93.2%  Class of 2013 = 100%  Class of 2015=90.9% |
| Students will demonstrate written communication skills. | J409 Synthesis Paper | Class average will exceed 90% | Spring semester – 4th year | Course Faculty | Class of 2011= 94.75%  Class of 2013= 100%  Class of 2015=100% |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met. Students are aware of the importance of oral communication. Continue to improve conveying what is expected and evaluated for this assignment.

**SLO 1 –Tool 2:** Benchmark met.

**SLO 2 –Tool 1:** Benchmark met. The synthesis paper undergoes drafts and revisions before final submission and that process has improved student writing.

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| **Goal 3: Students will demonstrate critical thinking and problem-solving skills** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will be able to adapt to non-routine situations | Professional Skills Evaluation (Question 8) J452 | Class average greater than or equal to 4.0/5.0 | Spring semester-4th year | Clinical Supervisors  Program Director | Class of 2013=100%  Class of 2015=90.9% |
| Critical Thinking Assignment J402 | Class average will exceed 90% | Summer semester -3rd year | Course Faculty | Class of 2013= 94%  Class of 2015=100% |
| Students will establish resolution and rationale for challenging circumstances that they may encounter | Problem Solving Scenarios J403 | Class average will exceed 90% | Spring semester- 4th year | Course Faculty | Class of 2013=100%  Class of 2015=100% |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met.

**SLO 1 –Tool 2:** Benchmark met. This measurement requires critical thinking skills in a writing assignment that prompts the students to use and examine skills needed to excel in different situations that may occur in the clinical setting.

**SLO 2 –Tool 1:** Benchmark met.

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| **Goal 4: Students will demonstrate professional values.** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students will demonstrate appropriate professional values in the clinical setting. | Professional Skills Evaluation (Question IV)in J350 | Class average will exceed 4.0/5 | Fall semester-3rd year | Clinical Supervisors  Program Director | Class of 2013=4.77  Class of 2015=4.9 |
| Professional Skills Evaluation (Question IV)in J451 | Class average will exceed 90% (2011) or 4.0/5.0 (2013) | Fall semester- 4th year | Clinical Supervisors  Program Director | Class of 2011 = 93.1%  Class of 2013 = 88%  Class of 2015=90.9% |
| Students will detail the ethical obligations described in the ARRT Code of Ethics | J301 Critical Thinking assignment on the Code of Ethics | Class average will exceed 85% | Fall semester -3rd year | Course Instructor | Class of 2015=100%  Class of 2017=100% |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met. The clinical facilities regularly monitor the overall professional skills of their students and this continues to be a good goal for assessing the students.

**SLO 1 –Tool 2:** Benchmark met.

**SLO 2 –Tool 1:** Benchmark met.

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| **Goal 5: Students will be involved in professional continuing education activities to instill a desire for lifelong learning.** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Students participate in professional continuing education activities | J402 Student assignment of a directed reading CE article | Class average of 85% or higher on the directed reading quiz | Summer semester-3rd year | Course Faculty | Class of 2013= 25/25 or 100%  Class of 2015=100% |
| Participation in CART or similar meeting | 80% of the class will participate in a professional meeting | Biannually | Program Director | Class of 2013 = 100%  Class of 2015=100% |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met. All students did very well on the directed reading assignment.

**SLO 1 –Tool 2:** Benchmark met. All students participated in attending the Chicago Area Radiation Therapists (CART) professional meeting in Spring of 2015. Awarded second place in Annual CART Bowl.

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| **Goal 6: Students will be involved in the community we serve.** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Student will participate in community service activities. | Participation in an activity such as the Breast Walk | Greater than or equal to 80% of all students will be involved in community service | Annually | Program Director | Class of 2013=100%  Class of 2015=100%  Class of 2017=100% |

**Action/Analysis:**

**SLO 1 –Tool 1:** Benchmark met. This is not a requirement but highly encouraged. The students are highly active in community events, all students took part in different community service activities.

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| **Goal 7: The program will provide the medical community with individuals qualified to perform radiation therapy procedures. (Program Effectiveness Measures)** | | | | | |
| **Outcome** | **Measurement Tool** | **Benchmark** | **Timeframe** | **Responsible Party** | **Results** |
| Graduates will pass the ARRT exam on first attempt | ARRT Certification Exam 1st Time Pass Rates | Greater than or equal to 90% of all students will pass on first attempt | Every other year | Program Director | 2017=67% (6/9)  2015=100% (10/10)  2013=86% (6/7)  2011=100% (12/12)  2009=67% (6/9)  2007=100% (9/9)  2005=90% (9/10)  5 year=85% (22/26) |
| Graduate will express confidence in the overall quality of their skills | Graduate Follow-up Survey | 85% of graduate responses were satisfied with education they received | 6 to 12 months after graduation | Graduates  Program Director | Class or 2011=No returns  Class of 2013= 100%  Class of 2015=100% |
| Employers will express confidence in the overall quality of the graduate’s skills. | Employer survey | Response of meets or exceeds standards. | 6 to 12 months after graduation | Program Director  Employers | Class of 2011= All 5s on returned surveys  Class of 2013= No returns  Class of 2015=100% |
| Of those pursuing employment, graduates will be gainfully employed within 12 months post-graduation. | Graduate Follow-up Survey and  “Word of Mouth” | 80% of graduate responses over the most recent 5 year period will indicate they found employment. | Annually 6-12 months after graduation | Program Director | 2017: 100% (6/6)  2015: 100% (8/8)  2013: 77.8% (7/9)  2011: 100% (11/11)  2009: 100%  2007: N/A  2005: 100%  Five Year=91.3% (21/23) |
| Students will successfully complete the program in the two year time frame. | Program Completion Rate | Over the most recent 5 year period, 75% of entering students will complete the program within two years. | Every other year | Program Director | 2017: 81% (9/11)  2015: 91.6% (11/12)  2013: 81.8% (9/11)  2011: 100% (12/12)  2009: 75% (9/12) |

**Action/Analysis:**

**PE 1:** Benchmark met.Generally, graduates have been very success in passing on first attempt. The Class of 2009 had difficulty on first attempt but all have subsequently passed. They were the first BS class and the Director was a new faculty member. Ten out of eleven students from the Class of 2015 took the boards and passed on the first attempt. One student has not yet taken the exam.

**PE 2:** Benchmark met. Four students out of eleven returned Graduate Survey.

**PE 3:**  Benchmark met. Three Employer Surveys were returned.

**PE 4:** Benchmark met. Overall, graduates have all done well in finding employment. For the Class of 2009, 8 of 9 are working in the field and 1 is not seeking employment. For the Class of 2011, 11 of 12 are working in the field and 1 is not seeking. This represents 100% employment of all BS graduates. Seven out of the nine students from Class of 2013 had jobs 12 months postgraduation. Eight out of eleven students from the class of 2015 found employment with a year postgraduation. One is not actively seeking employment. Two students went on to Dosimetry school and are not currently seeking employment in Radiation Therapy.

**PE 5:** Benchmark met.

Revised and Updated 6/2016