

2021-2022 Assessment Cycle

## Assessment Plan

### Mission Statement

The Radiation Therapy Program is focused on the development of qualified radiation therapists who provide optimum patient care through technical competency and professional conduct.

### Measures

#### C - Radiation Therapy Outcome Set

PSLO 1

**Outcome: Students will pass the national certification exam on the first attempt within 6 months of graduation**

▼ **Measure:** Competency Examination Performance Assessments  
*Program level Direct - Exam*

Details/Description: 100% Completion of competency evaluations as required by the ARRT and the program.

Acceptable Target: 100% Completion of competency evaluations as required by the ARRT and the program with an evaluation score of 88% or higher.

Supporting Attachments:

[Treatment Competency Evaluation Form \(Adobe Acrobat Document\)](#)

Attached is the treatment competency form utilized for the radiation therapy students. Students complete treatment competencies through the duration of the program and are assessed by a supervising radiation therapist.

▼ **Measure:** Graduate Survey  
*Program level Indirect - Survey*

Details/Description: The graduate survey includes a question pertaining to credential.

Acceptable Target: Program to have a 5 year average for first time test takers of no less than 75%.

Supporting Attachments:

[📎 Example Graduate Survey for Class of 2021 \(Adobe Acrobat Document\)](#)

Attached is an example graduate survey that is sent to graduates six months after graduation.

▼ **Measure:** Professional Credentialing Examination  
*Other level Direct - Exam*

Details/Description: National Board Examination - Successfully pass the boards exam.

Acceptable Target: 5 year program average for first time test taker of no less than 75%.

Supporting Attachments:

[📎 ARRT National Comparison Report - 2021 \(Adobe Acrobat Document\)](#)

Attached is the National Comparison Report from the American Registry of Radiologic Technologists, the credentialing agency for Radiation Therapy.

PSLO 2

**Outcome: Students will demonstrate clinical competency by analyzing pertinent data**


**from treatment planning documents.**

▼ **Measure:** AL305 Treatment Plan Assignment  
*Course level Direct - Student Artifact*

**Details/Description:** AL305 Treatment Plan Assignment (Questions 2-13) has no less than a correct response percentage on 85% from item analysis within Desire2Learn.

**Acceptable Target:** No less than a correct response percentage of 85% from item analysis.

**Supporting Attachments:**

 AL305 Treatment Assignment Instructions - 2021 (Word Document (Open XML))


Attached is a screenshot from D2L which includes the instructions provided to students for the AL305 Treatment Assignment. Students complete the assignment and submit it through the Desire2Learn Quiz area.

▼ **Measure:** Employer Survey  
*Program level Indirect - Survey*

**Details/Description:** The employer survey includes a question pertaining to the graduate's ability to analyze pertinent data from treatment planning documents and accurately deliver radiation therapy treatments.

**Acceptable Target:** Satisfaction with graduate's ability to analyze pertinent data from treatment planning documents and accurately deliver radiation therapy treatments question #4B scores no less than an average score of 3.25 on a 5 point scale.

**Supporting Attachments:**

 Example Employer Survey - Class of 2021 (Adobe Acrobat Document)

Attached is the Employer Survey form utilized for the radiation therapy graduates.

Employer Surveys are sent to employers six months after the graduate completes the radiation therapy program.

▼ **Measure:** Performance Assessments  
*Program level Direct - Exam*

Details/Description:

Acceptable Target: Verification Simulation Clinical Competency has no less than an average score of 3.0 on a 5-point scale in the final clinical semester.

Supporting Attachments:

[Data\\_Interpretation\\_Competencies\\_Examples.pdf](#) (Adobe Acrobat Document)

Attached is the Data Interpretation - Verification Simulation competency form utilized for the radiation therapy students. Students complete the Data Interpretation competencies in the final summer semester clinical course (AL380). Students are assessed by a supervising radiation therapist.

PSLO 3

**Outcome: Students will demonstrate clinical competency by accurately positioning patients for treatment delivery.**

▼ **Measure:** Employer Survey  
*Indirect - Survey*

Details/Description:


The employer survey includes a question pertaining to the graduate's ability to accurately position patient for delivery of radiation therapy treatments.

Acceptable Target:

Satisfaction with graduate's ability to accurately position patient for delivery of radiation therapy

treatments (Question scores # 6A). No less than an average score of 3.25 on a 5-point scale.

Supporting Attachments:

 Example Employer Survey - Class of 2021 (Adobe Acrobat Document)

Attached is the Employer Survey form utilized for the radiation therapy graduates. Employer Surveys are sent to employers six months after the graduate completes the radiation therapy program.


▼ **Measure:** Performance Assessments  
*Program level Direct - Exam*

Details/Description:  
Acceptable Target:

Clinical Competency "Positioning Criterion" has no less than an average score of 3.25 on a 5-point scale in the final clinical semester.

Professional Development Evaluation "Positioning Criterion #1" has no less than an average score of 3.25 on a 5 point scale.

Supporting Attachments:

 Example Professional Development Evaluation (Adobe Acrobat Document)

 Example Treatment Competency Form (Adobe Acrobat Document)

PSLO 4

**Outcome: Students will demonstrate effective written communication skills.**

▼ **Measure:** Course Embedded Assignment

*Program level Direct - Student Artifact*

Details/Description: Students will achieve no less than an average rubric score of 85% on the Scholarly Journal Article Assignment completed and assessed in the AL370 course.

Acceptable Target: Scholarly Journal Article Summary - No less than an average rubric score of 85%

Supporting Attachments:

[AL370 Scholarly Assignment Rubric - 2021 \(Adobe Acrobat Document\)](#)

Attached is the rubric utilized to grade the AL370 Scholarly Journal Article Assignment.

PSLO 5

**Outcome: Students will evaluate images using various imaging technologies (MV, kV, CBCT) to ensure proper patient alignment.**

▼ **Measure:** Employer Survey  
*Program level Indirect - Survey*

Details/Description: The employer survey includes a question pertaining to the graduate's ability to evaluate images using various imaging technologies to ensure proper patient alignment.

Acceptable Target: Satisfaction with graduate's ability to evaluate images to ensure proper patient alignment - Question scores (#6C). No less than an average score of 3.25 on a 5 point scale.

Supporting Attachments:

[Example Employer Survey - Class of 2021 \(Adobe Acrobat Document\)](#)

Attached is the Employer Survey form utilized for the radiation therapy graduates. Employer Surveys are sent to employers six months after the graduate completes the radiation therapy program.


▼ **Measure:** Performance Assessments  
*Program level Direct - Exam*


Details/Description:  
Acceptable Target:

Imaging Competency has no less than an average score of 3.25 on a 5-point scale in the final clinical semester.

Professional Development Evaluation "Critical Thinking Criterion # 1" has no less than an average score of 3.25 on a 5-point scale in the final clinical semester.

Supporting Attachments:

 Example Professional Development Evaluation (Adobe Acrobat Document)

 Imaging\_Comp\_Example.pdf (Adobe Acrobat Document)

PSLO 6

**Outcome: Students will demonstrate professional work standards.**

▼ **Measure:** Employer Survey  
*Program level Indirect - Survey*


Details/Description:

The employer survey contains a questions pertaining to the graduate's ability to conduct himself/herself in an ethical and professional

manner.

**Acceptable Target:** Satisfaction with graduate's ability to conduct himself/herself in an ethical and professional manner (#8B). No less than an average score of 3.25 on a 5 point scale.

**Supporting Attachments:**

 Example Employer Survey - Class of 2021 (Adobe Acrobat Document)

Attached is the Employer Survey form utilized for the radiation therapy graduates. Employer Surveys are sent to employers six months after the graduate completes the radiation therapy program.


▼ **Measure:** Performance Assessments  
*Program level Direct - Exam*

**Details/Description:**

**Acceptable Target:** Clinical Competency "Professionalism Criterion" has no less than an average score of 3.25 on a 5-point scale in the final clinical semester.

Professional Development Evaluation "Attitude Criterion #2" has no less than an average score of 3.25 on a 5-point scale in the final clinical semester.

**Supporting Attachments:**

 Example Professional Development Evaluation (Adobe Acrobat Document)

 Example Treatment Competency Form (Adobe Acrobat Document)

**Analysis and Reporting Calendar**



Data is collected and analyzed for each PSLO (1-6) annually.

## Stakeholder Involvement

The program objectives are printed in the Radiation Therapy Program and Clinical Manual, which is thoroughly discussed at the student's radiation therapy orientation. In addition to discussing at the orientation, the objectives are printed in each course syllabi throughout the program.

The program objectives and quality indicators are disclosed to the public on the Washburn University Radiation Therapy Program's website. The Program and Clinical Manual is also available on the website for the public.

The Radiation Therapy's programmatic accreditation agency, the Joint Review Committee on Education in Radiologic Technology (JRCERT), also defines and publishes this information to the public. The information can also be found directly on the JRCERT Webpage. A link to the JRCERT's webpage is included on the Radiation Therapy Program's website.

A copy of the Program and Clinical Manual is distributed to each Radiation Therapy Clinical Preceptor, providing them the program objectives in written form. In addition, an email is sent out to all Clinical Preceptor prior to the program starting providing them with the website information where they can obtain information pertaining to the program's mission, goals, program outcomes and the program's effectiveness data.

The assessment plan is discussed with the Radiation Therapy Advisory Board in the fall and in the spring. The mission, objectives, tools, and benchmarks are discussed in addition to the assessment plan findings. At that point, possible changes or modifications are reported to the Advisory Board for feedback. In addition to current and prior Radiation Therapy faculty, the Advisory Board also consists of individuals outside the education profession, such as a current Radiation Therapy Student, Staff Radiation Therapists, Clinical Supervisors, and a Radiation Oncologist.

At the conclusion of each academic year (in the summer) program faculty are involved in reporting the assessment plan data relevant to their courses. This data is evaluated against the defined benchmarks and the program's mission. The plan is also analyzed in relation to expected changes accreditation standards & curriculum. Changes are documented and purposely implemented.

## Program Assessment Plan Review Cycle

The Program Assessment Plan is reviewed annually. Changes were made to the Assessment Plan in FY 14, FY 15, FY16, and FY19.

As the program successfully meets it's benchmarks, changes will be made to assess different areas of the radiation therapy program and aim for continuous improvement.

Faculty have met and discussed changes to be implemented for the Class of 2023.

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