Doisy College of Health Sciences
Saint Louis University
Academic Program Assessment Plan

Academic Degree Program	**Molecular Imaging and Therapeutics Program**
Academic Department	**Clinical Health Sciences**
	01/25/18

			Assessment Methods		**Use of Assessment Data**		
PLO #	**Program Learning Outcome (PLO)**	**Assessment Mapping/Tool(s)**	**	**Program Target**	**Assessment Data Collection & Initial Data Analysis/Person(s) Responsible**	**Data Analysis / Action Plan to address changes in pedagogy, curriculum design and/or assessment work**	**Timeline (any 12 month period is acceptable)**
PLO #1 Domain: Jesuit Mission/Values	The molecular imaging and therapeutics student will be able to demonstrate ethical behaviors in the professional environment.	**1. MIT 6000 Master's Seminar I** / Critical Reflection Assignment **2. MIT 6100 Master's Seminar II** / Journal Entries	D D	1. An average of 85% will achieve a ranking of "knowledge" or higher using the corresponding assessment rubric. 2. An average of 85% will achieve a ranking of "application" or higher using the corresponding assessment rubric.	1. Data Collection/ course instructor Data Analysis / course instructor 2. Data Collection/ course instructor Data Analysis / course instructor		Every Academic year

PLO #2 Domain: Communication	The molecular imaging and therapeutics student will exhibit appropriate professional communication.	**1. MIT 6000 Master's Seminar I** / Written Article Critique **2. MIT 6100 Master's Seminar II** / Teach Back Assignment	D D	1. An average of 85% will achieve a ranking of "application" or higher using the corresponding assessment rubric. 2. An average of 85% will achieve a ranking of "synthesis" or higher using the corresponding assessment rubric.	1. Data Collection/ course instructor Data Analysis / course instructor, Program Director and/or Clinical Coordinator 2. Data Collection/ course instructor Data Analysis / course instructor, Program Director and/or Clinical Coordinator		Every Academic year
PLO #3 Domain: Critical Reasoning	The molecular imaging and therapeutics student will demonstrate problem solving skills.	**1. MIT 6100 Master's Seminar II** / Mock Note to File **2. MIT 6200 Master's Seminar III** / Critical Reflection Assignment	D D	1. An average of 85% will achieve a ranking of "application" or higher using the corresponding assessment rubric. 2. An average of 85% will achieve a ranking of "synthesis" or higher using the corresponding assessment rubric.	1. Data Collection/ course instructor Data Analysis / course instructor 2. Data Collection/ course instructor Data Analysis / course instructor		Every Academic year
PLO #4 Domain: Application of Knowledge	The molecular imaging and therapeutics student will demonstrate effective	**1. MIT 6000 Master's Seminar I** / Literature Review	D	1. An average of 85% will achieve a ranking of "knowledge" or higher using the	1. Data Collection/ course instructor Data Analysis /		Every Academic year

	research techniques.	**2. MIT 6200 Master's Seminar III** / Critical Reflection Assignment	D	corresponding assessment rubric. 2. An average of 85% will achieve a ranking of "synthesis" or higher using the corresponding assessment rubric.	course instructor 2. Data Collection/ course instructor Data Analysis / course instructor		
PLO #5 Domain: Professionalism	The molecular imaging and therapeutics student will recognize professional practices in the health care setting.	**1. MIT 6100 Master's Seminar II** / Teach Back Assignment **2. MIT 6200 Master's Seminar III** / Critical Reflection Assignment	D D	1. An average of 85% will achieve a ranking of "application" or higher using the corresponding assessment rubric. 2. An average of 85% will achieve a ranking of "synthesis" or higher using the corresponding assessment rubric.	1. Data Collection/ course instructor Data Analysis / course instructor, Program Director and/or Clinical Coordinator 2. Data Collection/ course instructor Data Analysis / course instructor		Every Academic year

01-25-2018

Molecular Imaging and Therapeutics
Assessment Rubrics

****IMPORTANT NOTES:** The ratings, identified by the column headings below, are of increasing complexity moving across the table (from left to right). Students who can demonstrate Jesuit values by articulating ethical behaviors as they perform radiation therapy treatment in clinical practice (that is, meet the "application" rating) must first be able to identify examples of ethical behaviors (the "knowledge" rating). Likewise, in order for students to articulate ethical behaviors in the clinical setting (the "synthesis" rating), they must describe ethical dilemmas and appropriate ethical behaviors (knowledge) and explain appropriate ethical behaviors observed the clinical setting (application).

Molecular Imaging and Therapeutics (MIT)		
Program Learning Outcome (PLO #1): The molecular imaging and therapeutics student will be able to demonstrate ethical behaviors in the professional environment.		
Knowledge**	**Application****	**Synthesis****
• Recognize examples of Jesuit tradition.	• Demonstrate Jesuit values in the professional environment.	• Integrate knowledge of Jesuit tradition.

Molecular Imaging and Therapeutics
Assessment Rubrics

****IMPORTANT NOTES:** The ratings, identified by the column headings below, are of increasing complexity moving across the table (from left to right). Students who can demonstrate effective written communication in radiation therapy (that is, meet the "application" rating) must be able understand the components of clinical reflection (the "knowledge" rating). Likewise, in order for students to demonstrate appropriate written communicating in order to prepare a professional presentation in the form of a research poster (the "synthesis" rating), they must recognize the components of a critical reflection (knowledge) and demonstrate this by completing a professional poster. (application).

Molecular Imaging and Therapeutics (MIT)		
Program Learning Outcome (PLO #2): The molecular imaging and therapeutics student will exhibit appropriate professional communication.		
Knowledge**	**Application****	**Synthesis****
• Recognize molecular imaging and therapeutic modalities.	• Demonstrate the purpose of molecular imaging and therapeutic modalities.	• Integrate knowledge with communication.

Molecular Imaging and Therapeutics
Assessment Rubrics

****IMPORTANT NOTES:** The ratings, identified by the column headings below, are of increasing complexity moving across the table (from left to right). Students who can demonstrate complex radiation therapy treatment procedures (that is, meet the "application" rating) must be able to first identify the components of the radiation therapy treatment. (the "knowledge" rating). Likewise, in order for students to demonstrate a complex radiation therapy procedure in clinical practice (the "synthesis" rating), they must be able to identify and summarize a radiation therapy procedure (knowledge) and demonstrate the components of a complex procedure (application).

Molecular Imaging and Therapeutics (MIT)		
Program Learning Outcome (PLO #3): The molecular imaging and therapeutics student will demonstrate problem solving skills.		
Knowledge**	**Application****	**Synthesis****
• Identify scientific research.	• Apply scientific research in the disciplines of molecular imaging and therapeutics.	• Explain scientific research in the disciplines of molecular imaging and therapeutics.

Molecular Imaging and Therapeutics
Assessment Rubrics

****IMPORTANT NOTES:** The ratings, identified by the column headings below, are of increasing complexity moving across the table (from left to right). Students who can describe a complex radiation therapy treatment procedure (that is, meet the "application" rating) must be able to recite a radiation therapy treatment procedure (the "knowledge" rating). Likewise, in order for students to present a complex radiation therapy treatment procedure to an audience, (the "synthesis" rating), they must identify treatment procedure components (knowledge) and interpret the components of a complex treatment procedure. (application).

Molecular Imaging and Therapeutics (MIT)		
Program Learning Outcome (PLO #4): The molecular imaging and therapeutics student will demonstrate effective research techniques.		
Knowledge**	**Application****	**Synthesis****
• Comprehend the components of research.	• Apply the components of research.	• Interpret the components of research.

Molecular Imaging and Therapeutics
Assessment Rubrics

****IMPORTANT NOTES:** The ratings, identified by the column headings below, are of increasing complexity moving across the table (from left to right). Students who demonstrate professional behaviors of a radiation therapist (that is, meet the "application" rating) must be able to define professional characteristics of a radiation therapist (the "knowledge" rating). Likewise, in order for students to integrate professional behaviors into practice as a radiation therapist (the "synthesis" rating) they must recognize professional behaviors of a radiation therapist (knowledge) and demonstrate professional behaviors of a radiation therapist (application).

Molecular Imaging and Therapeutics (MIT)		
Program Learning Outcome (PLO #5): The molecular imaging and therapeutics student will recognize professional practices in the health care setting.		
Knowledge**	**Application****	**Synthesis****
• Comprehend professional aspects of the modalities of the molecular imaging and therapeutics.	• Explain the professional attributes in a modality of molecular imaging and therapeutics.	• Integrate the professional practice of a modality in molecular imaging and therapeutics.