

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

Academic Degree Program	Nuclear Medicine Technology
Academic Department	Clinical Health Sciences
	12/11/17

PLO #	Program Learning Outcome (PLO)	Assessment Mapping/Tool(s)	Assessment Methods		Use of Assessment Data		
			**	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	Students will demonstrate Jesuit values as they perform diagnostic imaging procedures.	1. NMT 4410 Clinical Practicum / Critical Reflection Assignment #1	D	An average of 85% of the students will achieve a ranking of “knowledge” or higher using the corresponding assessment rubric.	Data Collection/Designated Faculty member Initial Data Analysis/NMT Program Director		Every academic year that ends in an odd number.
		2. NMT 4910 Clinical Practicum / Program faculty observation during fifth month of rotation clinical visits.	D	An average of 85% of the students will achieve a ranking of “application” or higher using the corresponding assessment rubric.	Data Collection/Designated Faculty member Initial Data Analysis/NMT Program Director		Every academic year that ends in an odd number.

PLO #2	Students will demonstrate effective communication skills with both patients and other healthcare professionals in the nuclear medicine department.	<p>1. NMT 4330 Nuclear Medicine Instrumentation / Journal Article Assignment</p> <p>2. NMT 4960 Capstone in Nuclear Medicine / Capstone Paper and Presentation</p>	D	An average of 85% of the students will achieve a ranking of “application” or higher using the corresponding assessment rubric.	Data Collection/Course Instructor Initial Data Analysis/NMT Program Director		Every academic year that ends in an even number.
			D	An average of 85% of the students will achieve a ranking of “synthesis” or higher using the corresponding assessment rubric.	Data Collection/Course Instructor Initial Data Analysis/NMT Program Director		Every academic year that ends in an even number.
PLO #3	Students will demonstrate critical thinking and problem solving skills.	<p>1. NMT 4350 Nuclear Medicine Information Systems / Case Study Project</p> <p>2. NMT 4430 Emerging Technologies / Case Study Presentation</p>	D	An average of 85% of the students will achieve a ranking of “knowledge” or higher using the corresponding assessment rubric.	Data Collection/Course Instructor Initial Data Analysis/NMT Program Director		Every academic year that ends in an odd number.
			D	An average of 85% of the students will achieve a ranking of “application” or higher using the corresponding assessment rubric.	Data Collection/Course Instructor Initial Data Analysis/NMT Program Director		Every academic year that ends in an odd number.

PLO #4	Students will demonstrate the ability to translate didactic knowledge into clinical practice as a nuclear medicine technologist.	1. NMT 4340 Clinical Nuclear Medicine / Clinical Simulation/Role Playing.	D	An average of 85% of the students will achieve a ranking of “knowledge” or higher using the corresponding assessment rubric.	Data Collection/Course Instructor		Every academic year that ends in an even number.
		2. NMT 4910 Clinical Practicum / Clinical visit evaluation during last month of clinical practicum.	D	An average of 85% of the students will achieve a ranking of “synthesis” using the corresponding assessment rubric.	Data Collection/Designated Faculty member Initial Data Analysis/NMT Program Director		Every academic year that ends in an even number.
PLO #5	Students will exhibit professional characteristics expected of nuclear medicine technologists.	1. NMT 4410 Clinical Practicum / Clinical visit evaluation during 2 months of clinical practicum.	D	An average of 85% of the students will achieve a ranking of “application” or higher using the corresponding assessment rubric.	Data Collection/Designated Faculty member		Every academic year that ends in an odd number.
		2. NMT 4910 Clinical Practicum / Clinical visit evaluation during 7 months of clinical practicum.	D	An average of 85% of the students will achieve a ranking of “synthesis” using the corresponding assessment rubric.	Data Collection/Designated Faculty member Initial Data Analysis/NMT Program Director		Every academic year that ends in an odd number.

Nuclear Medicine Technology 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 as they perform diagnostic imaging procedures (that is, meet the “application” rating) must be able to first identify examples of Jesuit values (the “knowledge” rating). Likewise, in order for students to evaluate the use of Jesuit values (the “synthesis” rating), they must identify examples of Jesuit values (knowledge) and provide concrete evidence of the use of Jesuit values (application).

NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Program Learning Outcome (PLO #1): Students will demonstrate Jesuit values as they perform diagnostic imaging procedures.		
Knowledge**	Application**	Synthesis**
<ul style="list-style-type: none"> Identify examples of Jesuit values. 	<ul style="list-style-type: none"> Examine circumstances in which the Jesuit values have been portrayed in their experiences in the clinical setting. 	<ul style="list-style-type: none"> Develop alternative actions in the use and/or non-use of Jesuit values in the clinical setting.

Nuclear Medicine Technology 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 communication in the form of scientific writing (that is, meet the “application” rating) must be able to first recognize examples of scientific research (the “knowledge” rating). Likewise, in order for students to compose a research paper through scientific discovery (the “synthesis” rating), they must recognize examples of scientific research (knowledge) and demonstrate scientific writing (application).

NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Program Learning Outcome (PLO #2): Students will demonstrate effective communication skills with both patients and other healthcare professionals in the nuclear medicine department.		
Knowledge**	Application**	Synthesis**
<ul style="list-style-type: none"> Recognize scientific research and its purpose. 	<ul style="list-style-type: none"> Demonstrate scientific writing in a professional journal format. 	<ul style="list-style-type: none"> Compose a research paper through scientific discovery.

Nuclear Medicine Technology 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 critical thinking and problem solving skills (that is, meet the “application” rating) must be able to first identify errors in an imaging case study (the “knowledge” rating). Likewise, in order for students to propose solutions to errors in an imaging cases study (the “synthesis” rating), they must interpret data presented in an imaging case study (knowledge) and demonstrate scientific writing (application).

NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Program Learning Outcome (PLO #3): Students will demonstrate critical thinking and problem solving skills.		
Knowledge**	Application**	Synthesis**
<ul style="list-style-type: none"> Identify errors in an imaging case study presented. 	<ul style="list-style-type: none"> Interpret data presented in an imaging case study. 	<ul style="list-style-type: none"> Propose solutions to errors found in an imaging case study presented.

Nuclear Medicine Technology 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 relate fact and theory to nuclear medicine technology clinical practice (that is, meet the “application” rating) must be able to recall facts and theories in nuclear medicine technology (the “knowledge” rating). Likewise, in order for students to evaluate the use of fact and theories in nuclear medicine technology (the “synthesis” rating), they must recall facts and theories related to nuclear medicine technology (knowledge) and relate these facts and theories (application).

NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Program Learning Outcome (PLO #4): Students will demonstrate the ability to translate didactic knowledge into clinical practice as a nuclear medicine technologist.		
Knowledge**	Application**	Synthesis**
<ul style="list-style-type: none"> Recall facts and theories relating to nuclear medicine technology. 	<ul style="list-style-type: none"> Relate facts and theory to the clinical practice of nuclear medicine technology. 	<ul style="list-style-type: none"> Evaluate the use of facts and theory of nuclear medicine technology in clinical practice.

Nuclear Medicine Technology 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 characteristics of a nuclear medicine technologist (that is, meet the “application” rating) must be able to define professional characteristics of a nuclear medicine technologist (the “knowledge” rating). Likewise, in order for students to integrate professional characteristics in into practice as a nuclear medicine technologist (the “synthesis” rating), they define professional characteristics of a nuclear medicine technologist (knowledge) and demonstrate professional characteristics of a nuclear medicine technologist (application).

NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Program Learning Outcome (PLO #5): Students will exhibit professional characteristics expected of nuclear medicine technologists.		
Knowledge**	Application**	Synthesis**
<ul style="list-style-type: none"> Define professional characteristics of a nuclear medicine technologist. 	<ul style="list-style-type: none"> Demonstrate professional characteristics of a nuclear medicine technologist. 	<ul style="list-style-type: none"> Integrate professional characteristics into practice as a nuclear medicine technologist.