SAINT LOUIS UNIVERSITY.

Program-Level Assessment: *Annual Report*

Program(s): Nuclear Medicine Technology

Department: Clinical Health Sciences

College/School: Doisy College of Health Sciences

Date: September 28, 2018

Primary Assessment Contact: Crystal Botkin, MPH, CNMT, PET

1. Which program student learning outcomes were assessed in this annual assessment cycle?

PLO #2 Students will demonstrate effective communication skills with both patients and other healthcare professionals in the nuclear medicine department.

PLO #4 Students will demonstrate the ability to translate didactic knowledge into clinical practice as a nuclear medicine technologist.

2. What data/artifacts of student learning were collected for each assessed outcome? Were Madrid student artifacts included?

PLO #2 **NMT 4330 Nuclear Medicine Instrumentation (Fall 2017) /** Journal Article Assignment
NMT 4960 Capstone in Nuclear Medicine (Spring 2018) / Capstone Paper and Presentation

PLO #4 **NMT 4340 Clinical Nuclear Medicine (Fall 2017) /** Clinical Simulation/Role Playing
NMT 4910 Clinical Practicum (Spring 2018)/ Clinical visit evaluation during last month of clinical practicum

No Madrid student artifacts were included.

3. How did you analyze the assessment data? What was the process? Who was involved?
NOTE: If you used rubrics as part of your analysis, please include them in an appendix.

See Appendix for the rubric.

Faculty reviewed and analyzed the artifacts. The summaries were provided to the program director who prepared the final report.

4. What did you learn from the data? Summarize the major findings of your analysis for each assessed outcome.
NOTE: If necessary, include any tables, charts, or graphs in an appendix.

After review of the data, the program targets were reached for each measurement tool using the assessment rubric.

PLO #2 **NMT 4330 Nuclear Medicine Instrumentation /** Journal Article Assignment
An average of 85% of the students achieved a ranking of "application" or higher.

NMT 4960 Capstone in Nuclear Medicine / Capstone Paper and Presentation
An average of 85% of the students will achieve a ranking of "synthesis" or higher.

PLO #4 **NMT 4340 Clinical Nuclear Medicine /** Clinical Simulation/Role Playing
An average of 85% of the students will achieve a ranking of "knowledge" or higher.

NMT 4910 Clinical Practicum / Clinical visit evaluation during last month of clinical practicum An average of 85% of the students will achieve a ranking of "synthesis".

5. How did your analysis inform meaningful change? How did you *use the analyzed data to make or implement recommendations for change* in pedagogy, curriculum design, or your assessment plan?

PLO #2: No change needed. PLO #4: During the Fall 2017 semester the clinical simulations did not have a corresponding rubric, only course instructor oral feedback was provided. The program director will create a questionnaire rubric for the Fall 2018 semester to better assess the exercise.

6. Did you follow up ("close the loop") on past assessment work? If so, what did you learn? *(For example, has that curriculum change you made two years ago manifested in improved student learning today, as evidenced in your recent assessment data and analysis?)*

This is the first year we have implemented these PLOs. Therefore, we need to complete another assessment cycle before we can follow up and make changes if needed.

IMPORTANT: Please submit any revised/updated assessment plans to the University Assessment Coordinator along with this report.

Appendix

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****
• Recognize scientific research and its purpose.	• Demonstrate scientific writing in a professional journal format.	• Compose a research paper through scientific discovery.

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****
• Recall facts and theories relating to nuclear medicine technology.	• Relate facts and theory to the clinical practice of nuclear medicine technology.	• Evaluate the use of facts and theory of nuclear medicine technology in clinical practice.

****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).