**Continuous Improvement Plan**

**Outcomes might not change from year to year. For example, if you have not met previous targets, you may wish to retain the same outcomes. *If this is an academic, workforce, or continuing education program, you must have at least one student learning outcome.* You may also add short-term administrative, technological, assessment, resource or professional development goals, as needed.**

**Date:** 3/17/2023 **Name of Program/Unit: Diagnostic Medical Sonography**

**Contact name:** Megan Chambers **Contact email:** MLChambers@Collin.edu **Contact phone:**  214.491.6250

**Table 1: CIP Outcomes, Measures & Targets Table (focus on at least one for the next two years)**

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| **A. Expected Outcome(s)**  Results expected in this unit  (e.g. Authorization requests will be completed more quickly; Increase client satisfaction with our services) | **B. Measure(s)**  Instrument(s)/process(es) used to measure results  (e.g. survey results, exam questions, etc.) | **C. Target(s)**  Level of success expected  (e.g. 80% approval rating, 10 day faster request turn-around time, etc.) |
| **PLO #1 Students will be able to demonstrate effective communication and professionalism with patients and the healthcare team** | Patient Assessment and Preliminary Reporting- Communicate with patient prior  to, during, and after patient exam and then effectively report findings to  reading physician. Students will be evaluated on their ability to obtain patient  history, ability to correlate clinical findings specific to exam ordered, and ability  to competently provide a preliminary report to the interpreting physician.  This assessment is conducted during DMSO 1201 final practical. | 80% of students will score a 92% or higher on first attempt in DMSO 1201. |
| **PLO #2 Students will demonstrate proficiency in obtaining diagnostic images per exam protocol** | Students will successfully demonstrate 20 of the mandatory sonographic competencies before entering DMSO 1466. These assessments are conducted within DMSO 1201. | 75% of students will successfully attempt competencies on first attempt in DMSO 1201. |
| **PLO #3 Students will demonstrate proficiency in compiling a written report using appropriate terminology** | Study Assessment and Preliminary Documentation- Students will be evaluated on their ability to competently document findings of a sonographic exam. Use of appropriate sonographic terms, reporting accurate measurements, and ability to provide differential diagnoses will be evaluated. This assessment is conducted within DMSO 1201. | 80% of will score a 92% or higher this assessment. |
| **PLO #4 Students will be able to demonstrate proficiency in understanding Doppler principles** | Students will successfully demonstrate knowledge of Doppler principles and how it aids in providing diagnostic studies. | 80% of students will correctly answer targeted question within DMSO 2243. |

**Description of Fields in the Following CIP Tables:**

**A. Outcome(s)** -Results expected in this program (e.g. Students will learn how to compare/contrast conflict and structural functional theories; increase student retention in Nursing Program).

**B. Measure(s)** -Instrument(s)/process(es) used to measure results

(e.g. results of surveys, test item questions 6 & 7 from final exam, end of term retention rates, etc.)

**C. Target(s)** -Degree of success expected (e.g. 80% approval rating, 25 graduates per year, increase retention by 2% etc.).

**D. Action Plan** -Based on analysis, identify actions to be taken to accomplish outcome. What will you do?

**E. Results Summary** - Summarize the information and data collected in year 1.

**F. Findings** - Explain how the information and data has impacted the expected outcome and program success.

**G. Implementation of Findings** – Describe how you have used or will use your findings and analysis of the data to make improvements.

**Table 2. CIP Outcomes 1 & 2 (FOCUS ON AT LEAST 1)**

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| 1. **Outcome #1**   **PLO #1 Students will be able to demonstrate effective communication and professionalism with patients and the healthcare team** | |
| 1. **Measure (Outcome #1)**   Patient Assessment and Preliminary Reporting- Communicate with patient prior to, during, and after patient exam and then effectively report findings to reading physician. Students will be evaluated on their ability to obtain patient history, ability to correlate clinical findings specific to exam ordered, and ability to competently provide a preliminary report to the interpreting physician.  This assessment is conducted during DMSO 1201 final practical | 1. **Target (Outcome #1)**   80% of students will score a 92% or higher on first attempt in DMSO 1201. |
| 1. **Action Plan (Outcome #1)**   Skills being measured for this outcome are taught in the program's first semester. Students demonstrate this outcome in the clinical setting in the fourth semester. These skills will be reviewed and evaluated during DMSO 1201 within the third semester to reinforce the skills and ensure competency before entering a clinical setting. | |
| 1. **Results Summary (Outcome #1)**   The Target for Outcome #1 was not met, with only 73% of students (11/15) scoring 92% or higher. | |
| 1. **Findings (Outcome #1)**   This outcome was recognized as being a weakness within the lab setting. While the target for this outcome was not met, program success was not affected due to these skills being further demonstrated within the clinical setting the following semesters. All students within the cohort completed this competency before program completion. The outcome will stay in place to strengthen these skills within the lab setting. | |
| 1. **Implementation of Findings**   Repeat assessments will be conducted throughout subsequent didactic and lab courses to reinforce these skills before being evaluated during the DMSO 1201 final practical. | |

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| 1. **Outcome #2**   **PLO #2 Students will demonstrate proficiency in obtaining diagnostic images per exam protocol** | |
| 1. **Measure (Outcome #2)**   Students will successfully demonstrate 20 of the mandatory sonographic competencies before entering DMSO 1466. These assessments are conducted within DMSO 1201 | 1. **Target (Outcome #2)**   75% of students will successfully attempt competencies on first attempt in DMSO 1201. |
| 1. **Action Plan (Outcome #2)**   These competencies are demonstrated during the first two semesters of the program but are often not revisted until the student is in the clinical setting. To ensure that students are able to master competencies before performed on live patients, students will practice and test on each competency within DMSO 1201. | |
| 1. **Results Summary (Outcome #2)**   15/15 students (100%) scored 92% or higher. | |
| 1. **Findings (Outcome #1)**   After recognizing student weaknesses in mastering competencies early within practicum, concentrating on students applying these skills within the lab setting as a priority resulted in success for the cohort as a whole. | |
| 1. **Implementation of Findings**   No changes or improvements are needed at this time. | |