**Continuous Improvement Plan**

**Date:** 03-16-2023 **Name of Program/Unit:** Construction Technology-Electrical

**Contact name:** Terrence Caston **Contact email:** tacaston@collin.edu **Contact phone:**  972-553-1243

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

|  |  |  |
| --- | --- | --- |
| **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.)  Include Course Information and Semester in which assessment will occur | **C. Target(s)**  Level of success expected  (e.g. 80% approval rating, 10 day faster request turn-around time, etc.) |
| Students will be able to calculate the proper size of electrical components, circuits, and overcurrent protection to meet the requirements of the National Electrical Code. | Final exam in ELPT 1325-National Electrical Code I that will include multiple choice and short answer questions requiring students to demonstrate the ability to properly size electrical components, circuits and overcurrent protection according to the National Electrical Code. | 80% of students will score 70% or higher on the final exam in ELPT 1325. |
| Students will be able to demonstrate proper techniques related to wiring methods. | Final project in ELPT 1329-Residential Wiring requiring students to demonstrate hands-on industry standard wiring techniques and standard OSHA safety measures for one or more residential wiring scenarios. | 80% of students will score a 70% or higher on final project in ELPT 1329. |
|  |  |  |

**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)**

|  |  |
| --- | --- |
| 1. **Outcome #1**   **(ELPT 1325; National Electrical Code I; PLO 2.1)**  Students will be able to calculate the proper size of electrical components, circuits, and overcurrent protection to meet the requirements of the National Electrical Code. | |
| 1. **Measure (Outcome #1)**   Final exam in ELPT 1325-National Electrical Code I that will include multiple choice and short answer questions requiring students to demonstrate the ability to properly size electrical components, circuits and overcurrent protection according to the National Electrical Code. | 1. **Target (Outcome#1)**   80% of students will score 70% or higher on the final exam in ELPT 1325. |
| 1. **Action Plan (Outcome #1)**   Give quizzes and worksheets in lieu of chapter exams that will help results on final exam. | |
| 1. **Results Summary (Outcome #1)**   76% of students earned a 70% on their final exam. | |
| 1. **Findings (Outcome #1)**   Add more scenarios and questions on quizzes, worksheets and chapter exams that will help increase the student knowledge on calculating electrical circuits and overcurrent protection device protection for National Electrical Code requirements. | |
| 1. **Implementation of Findings**   We will continue to add more scenarios and questions on quizzes, worksheets and chapter exams that will help increase the student knowledge on calculating electrical circuits and overcurrent protection device protection for National Electrical Code requirements. | |

|  |  |
| --- | --- |
| 1. **Outcome #2**   **(ELPT 1329; Residential Wiring; PLO 1.1)**  Students will be able to demonstrate proper techniques related to wiring methods. | |
| 1. **Measure (Outcome #2)**   Final project in ELPT 1329-Residential Wiring requiring students to demonstrate hands-on industry standard wiring techniques and standard OSHA safety measures for one or more residential wiring scenarios. | 1. **Target (Outcome #2)**   80% of students will score a 70% or higher on final project in ELPT 1329. |
| 1. **Action Plan (Outcome #2)**   Administer lab projects throughout the semester of more residential wiring techniques and scenarios along with the OSHA safety standards. | |
| 1. **Results Summary (Outcome #2)**   93% of students earned a 70% or higher on the final project. | |
| 1. **Findings (Outcome #1)**   Students increased their knowledge of more wiring techniques and more OSHA safety measures for multiple residential wiring scenarios. | |
| 1. **Implementation of Findings**   We will not add more lab projects throughout the semester. | |