

Continuous Improvement Plan

Date: April 9, 2025

Name of Program/Unit: Construction Technology -Plumbing

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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 demonstrate proficiency in performing residential construction plumbing including the installation of domestic water lines; gas lines; drain, waste and vent pipes.	Final project in PFPB 2309-Residential Construction, Plumbing requiring students to demonstrate hands-on final project inf PFPB 2309 Installation of domestic water lines, gas lines, drain and waste pipes, and vent pipes.	70% of students will score a 95% or better on the project inf PFPB 2309
Students will be able to demonstrate proficiency in performing commercial construction plumbing including, installing drain, waste, vent, potable water, gas systems, and various types of plumbing fixtures in a commercial construction setting.	Final project in PFPB 2336 – Commercial Plumbing and Fixture Setting requiring students to demonstrate hands-on industry standard Plumbing techniques related to the installation of drain, waste, vent, potable water, and gas systems and various types of fixtures in a commercial construction setting.	70% of students will score a 95% or better on the final project inf PFPB 2336

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)

A. Outcome #1	
Demonstrated proficiency in residential plumbing and installations.	
B. Measure (Outcome #1) Final project in PFPB 2309	C. Target (Outcome #1) 70% of students score 95% or better on final project in PFPB 2309
D. Action Plan (Outcome #1) Continue to reinforce topics covered in final project and create additional assignments that focus on areas specific to the final project content.	
E. Results Summary (Outcome #1) Currently we have an average score of 89 on the final project with 16% scoring at or above 95%.	
F. Findings (Outcome #1) The scores are what would normally be considered good or acceptable but it is important in the construction trades that things be done correctly at all times so we are striving to get students at or near 100% on this final project because it is an important aspect of the program.	
G. Implementation of Findings We are doing a good job but need to continue our focus on getting students to slow down and make sure that the installations are 100% correct before leaving the project for grading.	
A. Outcome #2	
Demonstrated proficiency in commercial plumbing and installations	
B. Measure (Outcome #2) Final project in PFPB 2336	C. Target (Outcome #2) 70% of students score 95% or better on final project in PFPB 2309
D. Action Plan (Outcome #2) Continue to reinforce topics covered in final project and create additional assignments that focus on areas specific to the final project content.	
E. Results Summary (Outcome #2) Currently we have an average score of 89 on the final project with 14% scoring at or above 95%	

F. Findings (Outcome #1)

The scores are what would normally be considered good or acceptable but it is important in the construction trades that things be done correctly at all times so we are striving to get students at or near 100% on this final project because it is an important aspect of the program.

G. Implementation of Findings

We are doing a good job but need to continue our focus on getting students to slow down and make sure that the installations are 100% correct before leaving the project for grading.

Program Assessment Data Report

Program: **Construction Technology – Plumbing**

Terms Data Collected: Spring 22,23,24

Program-Level Learning Outcome- (From Assessment Plan)	Assessment Measure(s) and Where Implemented in Curriculum – (From Assessment Plan)	Target Outcome(s)- Level of Success Expected – (From Assessment Plan)	Assessment Results – (Provide data in a form related to targeted levels of success to left. Indicate if targeted level of success was met, partially met, or not met.)
Students will be able to demonstrate proficiency in performing residential construction plumbing including the installation of domestic water lines; gas lines; drain, waste and vent pipes.	Final project in PFPB 2309- Residential Construction Plumbing requiring students to demonstrate hands-on industry standard Plumbing techniques related to the installation of domestic water lines, gas lines, drain and waste pipes, and vent pipes.	70% of students will score 95% or better on the final project. inf PFPB 2309	Currently we have an average score of 89 on the final project with 16% scoring at or above 95%.
Students will be able to demonstrate proficiency in performing commercial construction plumbing including, installing drain, waste, vent, potable water, gas systems, and various types of plumbing fixtures in a commercial construction setting	Final project in PFPB 2336 – Commercial Plumbing and Fixture Setting requiring students to demonstrate hands-on industry standard Plumbing techniques related to the installation of drain, waste, vent, potable water, and gas systems and various types of fixtures in a commercial construction setting.	70% of students will score 95% or better on the final project in PFPB 2336	Currently we have an average score of 89 on the final project with 14% scoring at or above 95%