**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:** March 30th 2018 **Name of Program/Unit: HVAC**

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**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.) |
| Increase in student understanding of basic refrigeration cycle. (HART 1307 SLO 2.0) | Complete departmental examination worksheet for refrigeration cycle |  Target of 80% earning a 75% or better completion of departmental exam. |
| Increase in student understanding of superheat and sub-cooling (HART 1307 SLO 3.0) | Complete departmental examination worksheet for calculating superheat and sub-cooling | Target of 80% earning a 75% or better completion of departmental exam. |
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**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**

Increase in student understanding of basic refrigeration cycle. (HART 1307 SLO 2.0) |
| 1. **Measure (Outcome #1)**

Complete departmental examination worksheet (2.0) for refrigeration cycle | 1. **Target (Outcome #1)**

Target of 80% earning a 75% or better completion of departmental exam. |
| 1. **Action Plan (Outcome #1)**

Administer departmental examination worksheet (2.0) as part of final exam for all Spring 2019 sections of HART 1307 |
| 1. **Results Summary (Outcome #1)**

85% of students earned a 75% or higher completion of examination over refrigeration cycle. |
| 1. **Findings (Outcome #1)**

Focus on teaching of refrigeration cycle and uniformity of department created a better learning experience for students. |
| 1. **Implementation of Findings**

Department will continue to implement greater uniformity in all of its teaching applications. Greater focus needed on SLO applications.  |

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| 1. **Outcome #2**

Increase in student understanding of superheat and sub-cooling (HART 1307 SLO 3.0) |
| 1. **Measure (Outcome #2)**

Complete departmental examination worksheet (2.0) for calculating superheat and sub-cooling | 1. **Target (Outcome #2)**

Target of 80% earning a 75% or better completion of departmental exam. |
| 1. **Action Plan (Outcome #2)**

Administer departmental examination worksheet (2.0) as part of final exam for all Spring 2019 sections of HART 1307 |
| 1. **Results Summary (Outcome #2)**

76% of students earned a 75% or higher completion of the departmental worksheet on sub-cooling and superheat. |
| 1. **Findings (Outcome #2)**

Found students continued to exhibit confusion on terminology and application of worksheet.  |
| 1. **Implementation of Findings**

Department will continue to build uniformity and focus on teaching of SLOs. Worksheet will be revised again, and practice applications will be utilized earlier in semester to avoid confusion during final exam.  |