**Continuous Improvement Plan**

**Date:** September 1, 2023 **Name of Program/Unit: Urban Sustainable Agriculture AAS**

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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.)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 learn how to design, implement, and manage sustainable crop production systems. | Halt 2421 – Final Project, end of term class results, Final Exam | 80% or higher for all students on these measures. |
| Students will develop and plan research-based crop management practices in conservation and sustainability. | AGCR 2313 - Water and Soil analysis, end of term assessment (final exam), test results.HALT 2402 – Research-based hydroponics plant production project.  | 80% or higher for all students on these measures. |
| Students will learn how to produce agricultural products and market those products locally. | AGRI 1325 – Develop and market an agricultural product to potential buyers and investors; end of term project. | 80% or higher for all students on these measures. |

**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**

Students will learn how to design, implement, and manage sustainable crop production systems. |
| 1. **Measure (Outcome #1)**

Halt 2421 – Final Project, end of term class results, Final Exam | 1. **Target (Outcome #1)**

80% or higher for all students on these measures. |
| 1. **Action Plan (Outcome #1)**

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| 1. **Results Summary (Outcome #1)**

Students over 8 sections have a cumulative score of 93.15% for the End of term project, 88.06% for the Final Exam, and 89.39% for the end of term class results.  |
| 1. **Findings (Outcome #1)**

Over 8 sections and 4 faculty members, our findings are consistent that we are meeting the outcomes for the Measure in Small Farming.  |
| 1. **Implementation of Findings**

Continue to monitor end results for this measure and provide quality assessment and project-based learning opportunities for students. The expansion of the Wylie farm garden has created greater opportunities for students to learn and develop their end of course project.  |

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| 1. **Outcome #2**

Students will develop and plan research-based crop management practices in conservation and sustainability. |
| 1. **Measure (Outcome #2)**

AGCR 2313 - Water and Soil analysis, end of term assessment (final exam), test results.HALT 2402 – Research-based hydroponics plant production project. | 1. **Target (Outcome #2)**

80% or higher for all students on these measures. |
| 1. **Action Plan (Outcome #2)**

AGCR 2313 – No change to curriculum at this time is indicated by the results. HALT 2402 – The need for 100% accessible greenhouse with electric capabilities is needed for this outcome to be accurately and authentically measured. The existing greenhouse is not adequately equipped for this project and students are using limited systems to conduct the research for this project.  |
| 1. **Results Summary (Outcome #2)**

AGCR 2313 – Water and Soil analysis end of term assessment average over 7 sections and 3 faculty members was 82.38%.HALT 2402 – Research based hydroponics plant production project has not yielded adequate data to accurately summarize the results due to limited facilities. The course has been offered 3 times on two campuses with limited access to lab space, and no greenhouse available to fully implement the course.  |
| 1. **Findings (Outcome #1)**

AGCR 2313 – Students are mastering the soil and water analysis in this course as demonstrated by test and final exam results. HALT 2402 – Limited access to adequate greenhouse facilities has limited the abilities of the students in this course to be adequately assessed over the Measure.  |
| 1. **Implementation of Findings**
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