**Program Student Learning Outcomes Assessment Summary**

**(AY 2014-2016)**

**Program Student Learning Outcomes (PSLOs)**

At the completion of the Certificate of Achievement in **Construction Electricity,** the student will be able to:

1. Practice safety and occupational health procedures in the workplace.

2. Use electricity hand and power tools competently.

3. Test electrical equipment.

4. Interpret schematic wiring diagrams and waveforms.

5. Determine circuit load.

6. Install residential wiring circuits according to given specification and plan.

**PSLO Assessment Report Summary**

**What we looked at:**

The Construction Electricity Certificate Program assessment focused on PSLOs 3 and 5.

**What we found:**

**PSLO #3: Test electrical equipment**

Task description: Using embedded questions on mid term and final exams, students’ knowledge on electrical symbols, labels and circuit schematic were assessed and students’ knowledge on using different type of electrical test to find electrical fault.

**The results of the written and practical exams showed that 26 out of 29 students or 70% got a "C" or better in using electrical tester tools competently.**

PSLO #6: Determine circuit load

Task description: Given description of project and instructions, students will build electrical circuit according to given specification and plan. The practical was assessed based on calculating of electrical circuit, meeting the NEC standards, testing circuits using multi-meter and explaining the principle of the circuit.

**The results of the written and practical exams showed that 27 out of 29 students or 70% got a "C" or better in calculating different load for circuits.**

#### What we are planning to work on: To provide more testing equipment for students to have more practice on using oscilloscope and testing circuits.

#### On Job Training for the construction students to gain more skill in their field of study, and get familiar with the NEC requirements.

**Recommendations for students:**

Recruit students with the basic knowledge of electricity. Students who are interested in electrical classes should a strong foundation in math and science.