



 **SUNY CANTON**

Electrical Engineering Tech. (A.A.S.)  
Canino School of Engineering Technology  
Fall 2016 Assessment Report



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## What was assessed? Student Learning Outcomes (SLO) list:

- SLO # 1 \* Written/Oral/Visual Presentation
- SLO # 2 \* Computer Aided Design
- SLO # 3 \* Principles & Appl. of AC & DC Power Circuit Analysis
- SLO # 4 \* Principles & Appl. of Digital & Analog Electronics
- SLO # 5 PLC Principles & Applications
- SLO # 6 Effective Teamwork Skills
- SLO # 7 \* Ability to use Test Equipment
- SLO # 8 \* Printed Circuit Board Design, Fab. and Testing
- SLO # 9 \* Professional and Ethical Responsibilities

❖ \* = Assessed for Fall 2016

# How Course SLOs' Were Measured

- Student work assessed:
  - Homework questions
  - Solutions of exam questions
  - Lab Reports
  - Oral presentations/ Research papers
- Measurement strategy:
  - Rubrics used for oral presentations, research papers, and lab reports
  - Percent of students who scored above a target value on exam and homework questions
- Sample size:
  - All Students (18 Sophomores and 18 Freshmen)

# Where Were the Program Student Outcomes Assessed?

- SLO # 1 Written/Oral/visual Presentation
  - ELEC 213, ELEC 215
- SLO # 2 Computer Aided Design
  - ELEC 109, ELEC 213, SOET 116
- SLO # 3 Principles & Appl. of AC and DC Power Circuit Analysis
  - ELEC 215
- SLO # 4 Principles & Appl. of Digital and Analog Electronics
  - ELEC 213, ELEC 231
- SLO # 5 PLC Principles & Applications
  - ELEC 141 (Not taught in Fall 2016)

# Where Were the Outcomes Assessed? (Con't)

- SLO # 6 Effective Teamwork Skills
  - ELEC 203 -- ( Not taught in Fall 2016)
- SLO # 7 Ability to use Test Equipment
  - ELEC 231
- SLO # 8 Printed Circuit Board Design, Fabrication and Testing
  - ELEC 161
- SLO # 9 Professional and Ethical Responsibilities
  - SOET 377

## Actual Assessment Measurement Data for Each Student Learning Outcomes for Fall 2016

<u>Student Learning Outcome</u>	<u>Number of Measures (Met/ Not Met)</u>	<u>Percent Meeting Target</u>
SLO #1 Written --- Presentation	5 (5/0)	100
SLO #2 Computer Aided Design	1 (1/0)	100
SLO #3 Prin.--- AC & DC Power	3 ( 3/0)	100
SLO #4 Prin.--- Dig. & Analog Elect.	4 (4/0)	100
SLO #5 PLC Principles and App.**	0	Not Applicable (N/A)
SLO #6 Effective Team Work Skills **	0	Not Applicable (N/A)
SLO #7 Able to use Test Equipment	1 (1/0)	100
SLO #8 Printed Circuit Board Design	2 (2/0)	100
SLO #9 Professional & Ethical Respon.	2 (2/0)	100

\*\* Courses not taught Fall 2016 semester

# Assessment results: What have the data told us?

- Based on the data showing all of the Targets for the Outcomes were met or exceeded no further plans are needed at this time.



What resources were used or have been requested to assist in supporting the recommendations for improving the courses?

**None at this time.**

# What changes would you make to the Assessment Process?

- Add an additional measure to the Program Assessment component of Taskstream to evaluate our Final Product (The Graduates).
  - Need to keep in touch with them (First five Years).
  - Collect feedback from them.