

**Review of Performance:** VEM 110 Workshop Fabrication, Fall 2015, 12 students) P2 (Electronics)  
**Submitted by:** Danilo S. Ibarrola

**Institutional Student Learning Outcomes (ISLO):**

- ILO1:** Effective oral communication.
- ILO2:** Effective written communication.
- ILO3:** Critical Thinking
- ILO4:** Problem Solving
- ILO5:** Intercultural knowledge and competence.
- ILO6:** Information literacy.
- ILO7:** Foundations and skills for life-long learning.
- ILO8:** Quantitative reasoning.

**Program Learning Outcomes (PLO)**

- PLO1:** Practice Safety and occupational health procedures in the workplace.
- PLO2:** Use electronic tools and test equipment competently.
- PLO3:** Interpret schematic diagrams and waveforms.
- PLO4:** Build electronic projects to a given specification.

SLO#	Program SLO#	I, D, M	ISLO	Reflection/Comment												
1. Identify safety procedure in the electronics workshop.	2, 4	I	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4</td> </tr> <tr> <td>B</td> <td>4</td> </tr> <tr> <td>C</td> <td>4</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	4	C	4	D	0	F	0
Letter Grade	Number of student															
A	4															
B	4															
C	4															
D	0															
F	0															

2. Demonstrate the use of electronics hand tools and equipment in the workshop.	2, 4	I, D	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p> <table border="1" data-bbox="1050 347 1491 570"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>7</td> </tr> <tr> <td>B</td> <td>4</td> </tr> <tr> <td>C</td> <td>1</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	4	C	1	D	0	F	0
Letter Grade	Number of student															
A	7															
B	4															
C	1															
D	0															
F	0															
3. Identify the different wires, cables, connectors and perform splicing procedures.	2, 4	I, D	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p> <table border="1" data-bbox="1050 677 1491 899"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1</td> </tr> <tr> <td>B</td> <td>9</td> </tr> <tr> <td>C</td> <td>2</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	9	C	2	D	0	F	0
Letter Grade	Number of student															
A	1															
B	9															
C	2															
D	0															
F	0															
4. Terminate and connect wires, cables and connectors.	2, 4	I, D	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p> <table border="1" data-bbox="1050 1011 1491 1229"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>7</td> </tr> <tr> <td>B</td> <td>3</td> </tr> <tr> <td>C</td> <td>2</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	3	C	2	D	0	F	0
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B	3															
C	2															
D	0															
F	0															
5. Test wires, cables and connectors linkages.	2, 4	D, M	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p>												

				<table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>7</td> </tr> <tr> <td>C</td> <td>2</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	7	C	2	D	0	F	0
Letter Grade	Number of student															
A	3															
B	7															
C	2															
D	0															
F	0															
6. Rework wire, cables and connectors assembly	2, 4	D, M	6	<p>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>7</td> </tr> <tr> <td>B</td> <td>5</td> </tr> <tr> <td>C</td> <td>0</td> </tr> <tr> <td>D</td> <td>0</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	5	C	0	D	0	F	0
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B	5															
C	0															
D	0															
F	0															

**Special comments:** 12 out of 12 or 100% of the students got a grade of C and higher.

**Summary of Grades:**

**A+ = 0**  
**A = 1**  
**A- = 0**  
**B+ = 3**  
**B = 5**  
**B- = 1**  
**C+ = 0**  
**C = 0**  
**C- = 1**  
**F = 0**

**Recommendations:** Wire, cables and connectors must be sufficiently provided or purchase before the beginning of the semester so that lab exercises will be well performed by the students in a timely manner. Student tool kits should also be ordered earlier and distributed to them at least on the 2nd week of the semester.

Signature:      DANILO S. IBARROLA  
                          Instructor

**Date:** DEC. 2015