

Review of Performance: VEM 110 Workshop Fabrication, Fall 2015, 14 students) P1 (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>3</td> </tr> <tr> <td>D</td> <td>2</td> </tr> <tr> <td>F</td> <td>1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	4	C	3	D	2	F	1
Letter Grade	Number of student															
A	4															
B	4															
C	3															
D	2															
F	1															

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="1047 345 1488 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>6</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	6	C	1	D	0	F	0
Letter Grade	Number of student															
A	7															
B	6															
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="1047 678 1488 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>3</td> </tr> <tr> <td>D</td> <td>1</td> </tr> <tr> <td>F</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	9	C	3	D	1	F	0
Letter Grade	Number of student															
A	1															
B	9															
C	3															
D	1															
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="1047 1011 1488 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>2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	3	C	2	D	0	F	2
Letter Grade	Number of student															
A	7															
B	3															
C	2															
D	0															
F	2															
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>												

					Letter Grade	Number of student
					A	1
					B	7
					C	2
					D	2
					F	2
6. Rework wire, cables and connectors assembly	2, 4	D, M	6	SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below.		
					Letter Grade	Number of student
					A	7
					B	5
					C	2
					D	0
					F	0

Special comments: 10 out of 14 or 71% of the students got a grade of C and 4 got F.

Summary of Grades:

A+ = 0
A = 0
A- = 2
B+ = 2
B = 5
B- = 3
C+ = 0
C = 0
C- = 2
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