Review of Performance: VEM 110 Workshop Fabrications/P1 (Electronics) No. of Student: 15
Submitted by: Cirilo Recana Semesters: Fall 2013

Institutional Student Learning Outcomes (ISLO's)

1. Effective oral communication
2. Effective written communication
3. Critical thinking
4. Problem solving
5. Intercultural knowledge and competence
6. Information literacy
7. Foundations and skills for life-long learning
8. Quantitative reasoning

Program Learning Outcomes (PLO's)

1. Practice safety and occupational health procedures in the workplace.
2. Use electronics tools and test equipment competently.
3. Interpret schematic diagrams and waveforms.
4. Build electronics projects to a given specification.

<table>
<tr><th>SLO#</th><th>PLO</th><th>I, D, M</th><th>ISLO</th><th>Reflection/Comment</th></tr>
<tr><td>SLO#1
Identify safety procedure in the electronics workshop.</td><td>2, 4</td><td>I (introduced level)</td><td>6</td><td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below:

<table><tr><td>No. of students</td><td>Score</td><td>Comment</td></tr><tr><td>3</td><td>69 or lower</td><td>Failed</td></tr><tr><td>12</td><td>70 or better</td><td>Passed</td></tr></table>20% failed, 80% passed

Observation: Due to the pace of the class, most parts of hands-on experimentation were not delivered because of needed additional time spent on theoretical concept and circuit calculation.</td></tr>
<tr><td>SLO#2
Demonstrate the use of electronics hand</td><td>2, 4</td><td>I,D (introduced and demonstrate level)</td><td>6</td><td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result</td></tr>
</table>

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<tr>
<td>tools and equipment in the workshop.</td>
<td></td>
<td></td>
<td></td>
<td>of assessment is shown below:
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Observation: Due to the pace of the class, most parts of hands-on experimentation were not delivered because of needed additional time spent on theoretical concept and circuit calculation.</td>
</tr>
<tr>
<td>SLO#3
Identify the different wires, cables, connectors and perform splicing procedure.</td>
<td>2, 4</td>
<td>I,D (introduced level)</td>
<td>6</td>
<td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below:
<table><tr><td>No. of students</td><td>Score</td><td>Comment</td></tr><tr><td>1</td><td>69 or lower</td><td>Failed</td></tr><tr><td>14</td><td>70 or better</td><td>Passed</td></tr></table>7% failed, 93% passed

Observation: Due to the pace of the class, most parts of hands-on experimentation were not delivered because of needed additional time spent on theoretical concept and circuit calculation.</td>
</tr>
<tr>
<td>SLO#4
Terminate and connect wires, cables and connectors.</td>
<td>2, 4</td>
<td>I, D, (introduced and demonstrate level)</td>
<td>6</td>
<td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below:
<table><tr><td>No. of students</td><td>Score</td><td>Comment</td></tr><tr><td>2</td><td>69 or lower</td><td>Failed</td></tr><tr><td>13</td><td>70 or better</td><td>Passed</td></tr></table>13% failed, 87% passed</td>
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<tr><td>SLO#5
Test wires, cables and connectors linkage.</td><td>2, 4</td><td>D, M (demonstrate and mastery level)</td><td>6</td><td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below:
<table><tr><td>No. of students</td><td>Score</td><td>Comment</td></tr><tr><td>1</td><td>69 or lower</td><td>Failed</td></tr><tr><td>14</td><td>70 or better</td><td>Passed</td></tr></table>7% failed, 93% passed

Observation: Due to the pace of the class, most parts of hands-on experimentation were not delivered because of needed additional time spent on theoretical concept and circuit calculation.</td></tr>
<tr><td>SLO#6
Rework wire, cables and connectors assembly.</td><td>2, 4</td><td>D, M (demonstrate and mastery level)</td><td>6</td><td>SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Result of assessment is shown below:
<table><tr><td>No. of students</td><td>Score</td><td>Comment</td></tr><tr><td>1</td><td>69 or lower</td><td>Failed</td></tr><tr><td>14</td><td>70 or better</td><td>Passed</td></tr></table>7% failed, 93% passed

Observation: Due to the pace of the class, most parts of hands-on experimentation were not delivered because of needed additional time spent on theoretical concept and circuit calculation.</td></tr>
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FINAL GRADES BREAKDOWN:
A = 3 **B** = 7 **C** = 3 **D** = 1 **F** = 1

Recommendations: Wire, cables and connectors must be sufficiently provided or purchase at the beginning of the semester so that lab exercises will be well performed by the students in timely manner. Student tool kits should also be ordered earlier and distributed to them at least on the 2nd week of the semester. It is also suggested that at least a maximum of 15 students per class must be followed to accommodate them properly in the workshop especially during their activities.

Signature: **Cirilo B. Recana**
Electrical Instructor

Date Submitted: December 2013