

Institutional Student Learning Outcomes (ILO):

- 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 electricity tools and test equipment competently.**
- PLO3: **Test electrical equipment**
- PLO4: Interpret schematic wiring diagrams and waveform.
- PLO5: **Determine the amount of load per circuit.**
- PLO6: Install residential wiring circuits according to given specification and plan.

SLO#	Program SLO#	IDM	ISLO	Reflection/Comment									
1: Describe electrical principles and laws.	3	I	7	<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>No. of students</th> <th>Score</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>69 or lower</td> <td>failed</td> </tr> <tr> <td>14</td> <td>70 or better</td> <td>passed</td> </tr> </tbody> </table> <p>0% failed, 100% passed</p> <p>Observation: <i>A student has difficulty in reading comprehension and lack of study habit.</i></p>	No. of students	Score	Comment	0	69 or lower	failed	14	70 or better	passed
No. of students	Score	Comment											
0	69 or lower	failed											
14	70 or better	passed											

2. Operate direct current (DC) test equipment.	2,3	I, D	4,7	<p>SLO was assessed by a performance test using the assessment criteria as stated in the course outline. Result of assessment is shown below:</p> <table border="1" data-bbox="1159 207 1902 311"> <thead> <tr> <th>No. of students</th> <th>Score</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>69 or lower</td> <td>failed</td> </tr> <tr> <td>14</td> <td>70 or better</td> <td>passed</td> </tr> </tbody> </table> <p>0% failed, 100% passed</p> <p>Observation: Due to limited number of DC test equipment, students perform their practical experiments by taking turns. Students have difficulty in using analog tester in their hands-on activity.</p>	No. of students	Score	Comment	0	69 or lower	failed	14	70 or better	passed
No. of students	Score	Comment											
0	69 or lower	failed											
14	70 or better	passed											
3. Measure DC network and apply DC theorems.	3,5	D,M	4,7	<p>SLO was assessed by written test questions and a performance exam using the assessment criteria as stated in the course outline. Result of assessment is shown below:</p> <table border="1" data-bbox="1159 701 1902 805"> <thead> <tr> <th>No. of students</th> <th>Score</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>69 or lower</td> <td>failed</td> </tr> <tr> <td>13</td> <td>70 or better</td> <td>passed</td> </tr> </tbody> </table> <p>7% failed, 93% passed</p> <p>Observation: students with low scores – reason was due to reading comprehension and mathematical calculation.</p>	No. of students	Score	Comment	1	69 or lower	failed	13	70 or better	passed
No. of students	Score	Comment											
1	69 or lower	failed											
13	70 or better	passed											
4 Troubleshoot complex DC electrical/ electronic circuits	3,5	D,M	4,7	<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="1159 1128 1902 1232"> <thead> <tr> <th>No. of students</th> <th>Score</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>69 or lower</td> <td>failed</td> </tr> <tr> <td>13</td> <td>70 or better</td> <td>passed</td> </tr> </tbody> </table> <p>7% failed, 93% passed</p> <p>Observation: student failed due to not attending classes.</p>	No. of students	Score	Comment	1	69 or lower	failed	13	70 or better	passed
No. of students	Score	Comment											
1	69 or lower	failed											
13	70 or better	passed											

I – Introduced, D – Developing, M - Mastery

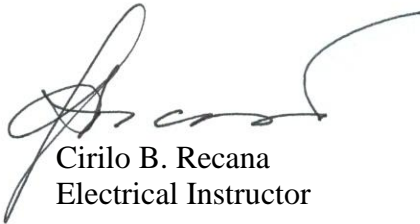
FINAL GRADES:

A = 1 B- = 1 C+ = 3 D = 0
B+ = 3 B = 3 C- = 1 C = 1 F = 1

Recommendations:

*To improve fundamental knowledge and practical hands-on skills, utilize **more** circuit construction activities with installation of electrical circuit techniques, in which will allow students to design, construct, analyze (calculation and measurement), and perform basic troubleshooting skills.*

NIDA software, experiment cards and test console needs to upgrade.



Signature: Cirilo B. Recana
Electrical Instructor

Date: December 2017