

Review of Performance: (VEE 225 Business machine servicing, Spring 2013, 12 students)  
 Submitted by: Nelchor Permitez Ed. D.

**Institutional Learning Outcomes (ILO)**

- ILO1: communicate effectively
- ILO2: employ critical thinking [*& problem solving*]
- ILO3: possess specific knowledge and skills in a major discipline or professional program of study
- ILO4: take responsibility and develop skills for learning
- ILO5: interact responsibly with people, cultures, and their environment

**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.
- PLO5: Perform troubleshooting techniques to maintain and resolve hardware / software related problems in a personal computer system.
- PLO6: Perform troubleshooting techniques to maintain, diagnose and repair electronic equipment and devices.

SLO#	Program SLO#	I, D, M	ILO	Reflection/Comment			
1. Service and repair fax machine	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	2,3,4,5	<p>The SLO was assessed using hands-on troubleshooting and written quiz and examination.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="1032 1814 1430 1871"> <tr> <td data-bbox="1032 1814 1224 1871">Letter Grade</td> <td data-bbox="1224 1814 1430 1871">Number of</td> </tr> </table>		Letter Grade	Number of
Letter Grade	Number of						

				<table border="1"> <tr> <td></td> <td>student</td> </tr> <tr> <td>A</td> <td>2</td> </tr> <tr> <td>B</td> <td>10</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </table>		student	A	2	B	10	C	0
	student											
A	2											
B	10											
C	0											
2. Service and repair computer printers (laser and deskjet).	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	2,3,4,5	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1"> <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>11</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	11	C	0
Letter Grade	Number of student											
A	1											
B	11											
C	0											
3. Service and repair cash registers.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	M	2,3,4,5	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p>								

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A	4											
B	8											
C	0											

4. Service and repair photocopiers.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	M	2,3,4,5	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</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>8</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	8	C	0
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A	4											
B	8											
C	0											

5. Service and repair microwaves.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	2,3,4,5	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="1032 737 1430 1050"> <thead> <tr> <th data-bbox="1032 737 1222 846">Letter Grade</th> <th data-bbox="1222 737 1430 846">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="1032 846 1222 915">A</td> <td data-bbox="1222 846 1430 915">2</td> </tr> <tr> <td data-bbox="1032 915 1222 984">B</td> <td data-bbox="1222 915 1430 984">9</td> </tr> <tr> <td data-bbox="1032 984 1222 1050">C</td> <td data-bbox="1222 984 1430 1050">1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	9	C	1
Letter Grade	Number of student											
A	2											
B	9											
C	1											

**Additional observations:** Needs more test equipment such as isolation transformers installed in the workshop to avoid electrical shock during servicing, transformer checker and meager tester , cash register machine and knee pad protector when doing kneeling service procedure.

**Special comments:** 4 students got A, 7 students got B and 1 student got F for absenteeism.

**Recommendations:** Modify the course outline and increase number of time for hands-on.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name typed, position