

Review of Performance: (**VEE 224 Video Product Servicing**, Spring 2015, 19 students)  
 Submitted by: Nelchor Permitez Ed. D.

**Institutional 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 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<br>SLO#   | I, D,<br>M | ILO     | Reflection/Comment   |
|--|---|------------|---------|--|
| 1. Repair television (TV) and computer monitor system. | Perform troubleshooting techniques to maintain, diagnose, and repair electronic | 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. Already modify the course outline to include flat screen TV (Plasma, LED and</p> |

|  | equipment and devices.   |   |         | <p>LCD) in the course to be updated.</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>8</td> </tr> <tr> <td>C</td> <td>8</td> </tr> </tbody> </table>  | Letter Grade | Number of student | A | 3 | B | 8 | C | 8 |
|--|--|---|---------|--|--------------|-------------------|---|---|---|---|---|---|
| Letter Grade                             | Number of student  |   |         |  |              |                   |   |   |   |   |   |   |
| A  | 3  |   |         |  |              |                   |   |   |   |   |   |   |
| B  | 8  |   |         |  |              |                   |   |   |   |   |   |   |
| C  | 8  |   |         |  |              |                   |   |   |   |   |   |   |
| 2. Repair video cassette recorder (VCR). | 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. They also find it interesting to witness how the mechatronics technology works in a small machine of VCR.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2</td> </tr> <tr> <td>B</td> <td>9</td> </tr> <tr> <td>C</td> <td>8</td> </tr> </tbody> </table> | Letter Grade | Number of student | A | 2 | B | 9 | C | 8 |
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| A  | 2  |   |         |  |              |                   |   |   |   |   |   |   |
| B  | 9  |   |         |  |              |                   |   |   |   |   |   |   |
| C  | 8  |   |         |  |              |                   |   |   |   |   |   |   |
| 3. Repair compact disc (CD)              | Perform troubleshooting techniques to maintain,  | M | 2,3,4,5 | <p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p>   |              |                   |   |   |   |   |   |   |

| players.                                  | diagnose, and repair electronic equipment and devices.   |   |         | <p>Students need more time in hands-on and other practical procedure to reach mastery level performance. Need to purchase additional 3 oscilloscope for signal tracing and monitoring during diagnostics procedure.</p> <table border="1" data-bbox="793 399 1774 667"> <thead> <tr> <th data-bbox="793 399 1285 464">Letter Grade</th> <th data-bbox="1285 399 1774 464">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="793 464 1285 532">A</td> <td data-bbox="1285 464 1774 532">3</td> </tr> <tr> <td data-bbox="793 532 1285 600">B</td> <td data-bbox="1285 532 1774 600">9</td> </tr> <tr> <td data-bbox="793 600 1285 667">C</td> <td data-bbox="1285 600 1774 667">7</td> </tr> </tbody> </table>  | Letter Grade | Number of student | A | 3 | B | 9 | C | 7 |
|---|--|---|---------|--|--------------|-------------------|---|---|---|---|---|---|
| Letter Grade                              | Number of student  |   |         |  |              |                   |   |   |   |   |   |   |
| A   | 3  |   |         |  |              |                   |   |   |   |   |   |   |
| B   | 9  |   |         |  |              |                   |   |   |   |   |   |   |
| C   | 7  |   |         |  |              |                   |   |   |   |   |   |   |
| 4.Repair digital video disc (DVD) player. | 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. Need to purchase additional 3 oscilloscope for signal tracing and monitoring during diagnostics procedure.</p> <table border="1" data-bbox="793 1005 1774 1273"> <thead> <tr> <th data-bbox="793 1005 1285 1070">Letter Grade</th> <th data-bbox="1285 1005 1774 1070">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="793 1070 1285 1138">A</td> <td data-bbox="1285 1070 1774 1138">3</td> </tr> <tr> <td data-bbox="793 1138 1285 1206">B</td> <td data-bbox="1285 1138 1774 1206">8</td> </tr> <tr> <td data-bbox="793 1206 1285 1273">C</td> <td data-bbox="1285 1206 1774 1273">8</td> </tr> </tbody> </table> | Letter Grade | Number of student | A | 3 | B | 8 | C | 8 |
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| A   | 3  |   |         |  |              |                   |   |   |   |   |   |   |
| B   | 8  |   |         |  |              |                   |   |   |   |   |   |   |
| C   | 8  |   |         |  |              |                   |   |   |   |   |   |   |

**Additional observations:** : Need to purchase testing equipment at least 3 digital oscilloscope to be use in the fault finding and diagnosing electronics circuits failure.

**Special comments:** There were 3 students got A, 8 students got B and 8 got C. 100% of the student got a grade of " C" and higher

**Recommendations:** Modify the course outline and include liquid crystal display (LCD) video, light emitting diode (LED) video and plasma video technology and increase number of time for hands-on. Increase number of time for hands-on while retaining the 4 credits. Example 2 hour lecture and 9 hrs lab.

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

Date May 8, 2015

Name typed, position