

Review of Performance: (**VTE 280 Telephone System**, Fall 2013, 13 students)

Submitted by: Nelchor Permitez Ed. D.

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.
- PLO5: Practice a career in the Telecomm Industry.
- PLO6: Troubleshoot microwave, fiber optic, radio communication and telephone system.

SLO#	Program SLO#	I, D, M	ISLO	Reflection/Comment
1. Describe the major sections of the basic elements in a telephone system.	Troubleshoot microwave, fiber optic, radio communication and telephone system.	M	7	The SLO was assess using hands-on troubleshooting and written quiz and examination.

				<p>Students need more time in hands-on and other practical activities.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0</td> </tr> <tr> <td>B</td> <td>2</td> </tr> <tr> <td>C</td> <td>8</td> </tr> <tr> <td>D</td> <td>3</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	2	C	8	D	3
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A	0													
B	2													
C	8													
D	3													
2. Describe the telephone system used in the U.S. and the F.S.M.	Troubleshoot microwave, fiber optic, radio communication and telephone system.	M	7	<p>The SLO was assess using written quiz and examination.</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>9</td> </tr> <tr> <td>C</td> <td>3</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	9	C	3		
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A	1													
B	9													
C	3													

3. Describe and troubleshoot the operations of the mechanical and electronic telephone sets.	Troubleshoot microwave, fiber optic, radio communication and telephone system.	M	7	<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>6</td> </tr> <tr> <td>B</td> <td>7</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	6	B	7	C	0
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A	6											
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4. Describe and demonstrate two methods of signal processing and two types of connection links that are commonly used	Troubleshoot microwave, fiber optic, radio communication and telephone system.	M	7	<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 activities.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Letter Grade	Number of student						
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today's telecommunications, or telephone systems.				<table border="1"> <tr> <td data-bbox="1079 191 1558 256">A</td> <td data-bbox="1558 191 2041 256">6</td> </tr> <tr> <td data-bbox="1079 256 1558 321">B</td> <td data-bbox="1558 256 2041 321">7</td> </tr> <tr> <td data-bbox="1079 321 1558 386">C</td> <td data-bbox="1558 321 2041 386">0</td> </tr> </table>	A	6	B	7	C	0		
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B	7											
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5. Describe cellular telephone from a theoretical and hardware perspective.	Troubleshoot microwave, fiber optic, radio communication and telephone system.	M	7	<p data-bbox="1079 526 1948 591">The SLO was assess using hands-on troubleshooting and written quiz and examination.</p> <p data-bbox="1079 695 1873 727">Students need more time in hands-on and other practical activities.</p> <table border="1" data-bbox="1079 760 2041 1024"> <thead> <tr> <th data-bbox="1079 760 1564 824">Letter Grade</th> <th data-bbox="1564 760 2041 824">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="1079 824 1564 889">A</td> <td data-bbox="1564 824 2041 889">7</td> </tr> <tr> <td data-bbox="1079 889 1564 954">B</td> <td data-bbox="1564 889 2041 954">6</td> </tr> <tr> <td data-bbox="1079 954 1564 1024">C</td> <td data-bbox="1564 954 2041 1024">0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	6	C	0
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Additional observations: Needs more trainer NIDA trainer card for telephone system and need Telecommunication trainer model TCM-200 which cost \$220 and lab manual / workbook \$34.95 to enhance the knowledge and skills of the students to the current trends of telecommunication.

Special comments: Out of 13 students, 6 got B and 7 got C grade.

Recommendations: Modify the course outline and include the TCM-200 telecommunication trainer activities in the student learning outcome. Also need additional 2 phone simulator tone generator equipment to facilitate cord and cordless phone bench troubleshooting. Combine VTE 281 and VTE 280 to increase the hands on training much more for cellular phone and cordless phone servicing.

Signature: _____

Date: December 12, 2013

Name typed, position