

Review of Performance: (VTE 280 Telephone System, Fall 2014, 15 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>3</td> </tr> <tr> <td>B</td> <td>6</td> </tr> <tr> <td>C</td> <td>5</td> </tr> <tr> <td>D</td> <td>1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	6	C	5	D	1
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D	1													
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>3</td> </tr> <tr> <td>B</td> <td>7</td> </tr> <tr> <td>C</td> <td>5</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	7	C	5		
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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>3</td> </tr> <tr> <td>B</td> <td>7</td> </tr> <tr> <td>C</td> <td>5</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	7	C	5
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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> </tbody> </table>	Letter Grade	Number of student						
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today's telecommunications, or telephone systems.				A	3										
				B	7										
				C	4										
				F	1										
5. Describe cellular telephone from a theoretical and hardware perspective.	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>A</td> <td>3</td> </tr> <tr> <td>B</td> <td>6</td> </tr> <tr> <td>C</td> <td>5</td> </tr> <tr> <td>F</td> <td>1</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	3	B	6	C	5	F	1
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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: 14 out of 15 or 93% students got a grade of "C" or higher. 3 got a grade of A, 6 got B , 5 got C grade and 1 got F due to absenteeism.

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:

NELCHOR T. PERMITEZ
Professor

Date: December 12, 2014