

Review of Performance: (VTE 270 Telecommunication Systems, Fall 2014, 12 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 optics and telephone system.

SLO#	Program SLO#	I, D, M	ISLO	Reflection/Comment						
1. Describe the basic fundamentals of a telecom system.	Interpret schematic diagrams and waveforms.	D	5	<p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students are more interested to see the actual telecommunication system in actual application.</p> <table border="1" style="width: 100%; margin-top: 10px;"> <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>2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	2
Letter Grade	Number of student									
A	1									
B	2									

				C	9										
				D	0										
2. Describe the various types of connection links used by industry for telecommunication system worldwide.	Interpret schematic diagrams and waveforms.	D	5	<p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students are more involved when they saw and touch the actual connection link except for electromagnetic frequency use as connection link for telecommunication systems.</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>3</td> </tr> <tr> <td>C</td> <td>8</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	1	B	3	C	8		
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A	1														
B	3														
C	8														
3. Describe the operations of the mechanical and electronic telephone sets (Telset).	Interpret schematic diagrams and waveforms.	M	5	<p>The SLO was assess using hands-on troubleshooting and written test.</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>2</td> </tr> <tr> <td>C</td> <td>9</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	1	B	2	C	9		
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B	2														
C	9														
4. Describe the two methods of signal processing and two types of connection links that are commonly used today telephone systems.	Interpret schematic diagrams and waveforms.	M	5	<p>The SLO was assess using hands-on troubleshooting and written test.</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>1</td> </tr> <tr> <td>C</td> <td>7</td> </tr> <tr> <td>F</td> <td>1</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	3	B	1	C	7	F	1
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B	1														
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F	1														

5. Describe cellular telephone from a theoretical and hardware perspective.	Interpret schematic diagrams and waveforms.	M	5	<p>The SLO was assess using hands-on troubleshooting and written test.</p> <p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="932 386 1911 568"> <thead> <tr> <th data-bbox="932 386 1423 425">Letter Grade</th> <th data-bbox="1423 386 1911 425">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="932 425 1423 464">A</td> <td data-bbox="1423 425 1911 464">1</td> </tr> <tr> <td data-bbox="932 464 1423 503">B</td> <td data-bbox="1423 464 1911 503">2</td> </tr> <tr> <td data-bbox="932 503 1423 542">C</td> <td data-bbox="1423 503 1911 542">8</td> </tr> <tr> <td data-bbox="932 542 1423 568">F</td> <td data-bbox="1423 542 1911 568">1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	2	C	8	F	1
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F	1													

**Additional observations:** Students are more interested when taught with actual device shown to them instead of plane picture presentation.

**Special comments:** 12 out of 12 or 100% of students got a grade of “C” or higher. 1 student got A, 3 students got B and 8 students got C. There is 1 student get F due to suspension for misbehavior violation.

**Recommendations:** Annual site visit on telecommunication partners should always be done everytime the course is offered for the students to understand more the actual devices connectivity and its operation in actual form.

Signature: NELCHOR T. PERMITEZ  
Professor

**Date:** December 12, 2014