

Review of Performance: (**VEE 230 Radio communication**, Fall 2015, 10 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 basic communication system and signal processing techniques.	5. Practice career in telecommunication industry. 6. Troubleshoot microwave, fiber optic, radio	I	6	<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" 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>0</td> </tr> <tr> <td>B</td> <td>3</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	3
Letter Grade	Number of student									
A	0									
B	3									

	communication and telephone system			<table border="1"> <tr> <td>C</td> <td>7</td> </tr> </table>	C	7						
C	7											
2. Describe amplitude modulation (AM) and frequency modulation (FM) signals	<p>5. Practice career in telecommunication industry.</p> <p>6. Troubleshoot microwave, fiber optic, radio communication and telephone system</p>	D	6	<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>0</td> </tr> <tr> <td>B</td> <td>2</td> </tr> <tr> <td>C</td> <td>8</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	2	C	8
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A	0											
B	2											
C	8											
3. Describe AM and FM signal path and circuit.	<p>5. Practice career in telecommunication industry.</p> <p>6. Troubleshoot microwave, fiber optic, radio communication and telephone</p>	D	6	<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>0</td> </tr> <tr> <td>B</td> <td>3</td> </tr> <tr> <td>C</td> <td>7</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	3	C	7
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	system											
4. Describe AM and FM modulator and demodulator.	5. Practice career in telecommunication industry. 6. Troubleshoot microwave, fiber optic, radio communication and telephone system	I	6	<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>2</td> </tr> <tr> <td>C</td> <td>7</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	2	C	7
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5. Monitor modulated signal in AM and FM receiver.	5. Practice career in telecommunication industry. 6. Troubleshoot microwave, fiber optic, radio communication and telephone system	I	6&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>0</td> </tr> <tr> <td>B</td> <td>3</td> </tr> <tr> <td>C</td> <td>7</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	3	C	7
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	6.Troubleshoot microwave, fiber optic, radio communication and telephone system			mastery level performance. <table border="1" data-bbox="991 349 1969 500"> <thead> <tr> <th data-bbox="991 349 1480 386">Letter Grade</th> <th data-bbox="1480 349 1969 386">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="991 386 1480 423">A</td> <td data-bbox="1480 386 1969 423">0</td> </tr> <tr> <td data-bbox="991 423 1480 461">B</td> <td data-bbox="1480 423 1969 461">3</td> </tr> <tr> <td data-bbox="991 461 1480 500">C</td> <td data-bbox="1480 461 1969 500">7</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	3	C	7
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Additional observations: Need to purchase additional set of Radio communication FM, AM and SSB NIDA cards to accommodate growing number of students enrolled in the course.

Special comments: 100% or 10 students got a grade of C or higher..

Recommendations: Modify the course outline must be increase its credit number and include topics such as include high frequency (HF) radio transceiver, citizens band (CB) transceiver, and transceiver station setup and antenna installation in the topics and increase the allotted time for hands-on. In addition, cellular phone technology and servicing must be included on this course. Must buy FM and AM receiver card for NIDA radio communication activity some of our cards are already non functional and need to be replace.

Signature: _____

Name typed, position

Date: _____