

Review of Performance: (VEE 225 Business machine servicing, Spring 2013, 12 students)

Submitted by: Nelchor Permitez Ed. D.

Institutional Learning Outcomes (ILO)

ILO1: communicate effectively

ILO2: employ critical thinking [*& problem solving*]

ILO3: possess specific knowledge and skills in a major discipline or professional program of study

ILO4: take responsibility and develop skills for learning

ILO5: interact responsibly with people, cultures, and their environment

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 SLO#	I, D, M	ILO	Reflection/Comment
1. Service and repair fax machine.	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</p>

				<p>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>2</td> </tr> <tr> <td>B</td> <td>10</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	10	C	0
Letter Grade	Number of student											
A	2											
B	10											
C	0											
2. Service and repair computer printers (laser and deskjet).	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.</p>								

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Letter Grade	Number of student											
A	1											
B	11											
C	0											
3. Service and repair cash registers.	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.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4</td> </tr> <tr> <td>B</td> <td>8</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	8		
Letter Grade	Number of student											
A	4											
B	8											

				<table border="1"> <tr> <td>C</td> <td>0</td> </tr> </table>	C	0						
C	0											
4. Service and repair photocopiers.	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.</p> <table border="1"> <thead> <tr> <th>Letter Grade</th> <th>Number of student</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4</td> </tr> <tr> <td>B</td> <td>8</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	8	C	0
Letter Grade	Number of student											
A	4											
B	8											
C	0											
5. Service and repair microwave ovens.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	2,3,4,5	The SLO was assess using hands-on troubleshooting and written quiz and examination.								

				<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>2</td> </tr> <tr> <td>B</td> <td>9</td> </tr> <tr> <td>C</td> <td>1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	9	C	1
Letter Grade	Number of student											
A	2											
B	9											
C	1											

Additional observations: Needs more test equipment such as isolation transformers installed in the workshop to avoid electrical shock during servicing, transformer checker and meager tester , cash register machine and knee pad protector when doing kneeling service procedure.

Special comments: 4 students got A, 7 students got B and 1 student got F for absenteeism.

Recommendations: Modify the course outline and increase number of time for hands-on.

Signature: _____

Date: _____

Name typed, position

Review of Performance: (VEE 224 Video Product Servicing, Spring 2013, 12 students)

Submitted by: Nelchor Permitez Ed. D.

Institutional Learning Outcomes (ILO)

ILO1: communicate effectively

ILO2: employ critical thinking [*& problem solving*]

ILO3: possess specific knowledge and skills in a major discipline or professional program of study

ILO4: take responsibility and develop skills for learning

ILO5: interact responsibly with people, cultures, and their environment

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 SLO#	I, D, M	ILO	Reflection/Comment
1. Repair television (TV) and computer monitor system.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and	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.</p>

	devices.			<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>10</td> </tr> <tr> <td>C</td> <td>1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	10	C	1
Letter Grade	Number of student											
A	1											
B	10											
C	1											
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.</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>8</td> </tr> <tr> <td>C</td> <td>2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	8	C	2
Letter Grade	Number of student											
A	2											
B	8											
C	2											

3. Repair compact disc (CD) players.	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.</p> <table border="1" data-bbox="795 773 1774 1049"> <thead> <tr> <th data-bbox="795 773 1285 841">Letter Grade</th> <th data-bbox="1285 773 1774 841">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="795 841 1285 911">A</td> <td data-bbox="1285 841 1774 911">2</td> </tr> <tr> <td data-bbox="795 911 1285 980">B</td> <td data-bbox="1285 911 1774 980">4</td> </tr> <tr> <td data-bbox="795 980 1285 1049">C</td> <td data-bbox="1285 980 1774 1049">6</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	4	C	6
Letter Grade	Number of student											
A	2											
B	4											
C	6											
4. Repair digital video disc (DVD) player.	Perform troubleshooting techniques to maintain, diagnose, and repair	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.</p>								

	electronic equipment and devices.			Letter Grade	Number of student	
				A	2	
				B	5	
				C	5	

Additional observations: Needs more test equipment such as isolation transformers installed in the workshop to avoid electrical shock during servicing, transformer checker and meager tester to accommodate growing number of students.

Special comments: There were 5 students got B, 6 students got C and 1 got F for absenteeism.

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.

Signature: _____

Date: _____

Name typed, position

Review of Performance: (VEE 240 Signal Processing, Spring 2013, 13 students)

Submitted by: Nelchor Permitez Ed. D.

Institutional Learning Outcomes (ILO):

ILO1: communicate effectively

ILO2: employ critical thinking [*& problem solving*]

ILO3: possess specific knowledge and skills in a major discipline or professional program of study

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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	ILO	Reflection/Comment
1. Give general description of analog pulse modulation, pulse amplitude modulation (PAM), pulse width	Perform Troubleshooting techniques to maintain, diagnose, and repair electronic	D	2,3,4,5	The SLO was assess using hands-on troubleshooting and written quiz and examination. Students need more time in hands-on and other practical procedure to reach mastery level performance.

modulation (PWM) and pulse position modulation (PPM)	equipment and devices			<table border="1" data-bbox="909 329 1887 602"> <thead> <tr> <th data-bbox="909 329 1398 394">Letter Grade</th> <th data-bbox="1398 329 1887 394">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="909 394 1398 464">A</td> <td data-bbox="1398 394 1887 464">7</td> </tr> <tr> <td data-bbox="909 464 1398 534">B</td> <td data-bbox="1398 464 1887 534">6</td> </tr> <tr> <td data-bbox="909 534 1398 602">C</td> <td data-bbox="1398 534 1887 602">0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	7	B	6	C	0
Letter Grade	Number of student											
A	7											
B	6											
C	0											
2. Describe Pulse coded modulation (PCM) circuit, operation and troubleshooting PCM circuit.	Perform Troubleshooting techniques to maintain , diagnose, and repair electronic equipment and devices	D	2,3,4, 5	<p data-bbox="909 610 1776 678">The SLO was assess using hands-on troubleshooting and written quiz and examination.</p> <p data-bbox="909 786 1829 854">Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="909 1024 1887 1300"> <thead> <tr> <th data-bbox="909 1024 1398 1089">Letter Grade</th> <th data-bbox="1398 1024 1887 1089">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="909 1089 1398 1159">A</td> <td data-bbox="1398 1089 1887 1159">0</td> </tr> <tr> <td data-bbox="909 1159 1398 1229">B</td> <td data-bbox="1398 1159 1887 1229">11</td> </tr> <tr> <td data-bbox="909 1229 1398 1300">C</td> <td data-bbox="1398 1229 1887 1300">2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	11	C	2
Letter Grade	Number of student											
A	0											
B	11											
C	2											
3. Describe Delta modulation (DM)	Perform Troubleshooting techniques to	M	2,3,4, 54	<p data-bbox="909 1308 1776 1377">The SLO was assess using hands-on troubleshooting and written quiz and examination.</p>								

<p>circuit, operation and troubleshoot DM circuit.</p>	<p>maintain , diagnose, and repair electronic equipment and devices</p>			<p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="907 503 1885 776"> <thead> <tr> <th data-bbox="907 503 1398 571">Letter Grade</th> <th data-bbox="1398 503 1885 571">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="907 571 1398 639">A</td> <td data-bbox="1398 571 1885 639">1</td> </tr> <tr> <td data-bbox="907 639 1398 708">B</td> <td data-bbox="1398 639 1885 708">3</td> </tr> <tr> <td data-bbox="907 708 1398 776">C</td> <td data-bbox="1398 708 1885 776">9</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	3	C	9
Letter Grade	Number of student											
A	1											
B	3											
C	9											
<p>4: Describe FSK (Frequency shift keying) circuit, operation and troubleshoot FSK circuit</p>	<p>Perform Troubleshooting techniques to maintain , diagnose, and repair electronic equipment and devices</p>	<p>M</p>	<p>2,3,4, 5</p>	<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" data-bbox="907 1198 1885 1399"> <thead> <tr> <th data-bbox="907 1198 1398 1266">Letter Grade</th> <th data-bbox="1398 1198 1885 1266">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="907 1266 1398 1334">A</td> <td data-bbox="1398 1266 1885 1334">0</td> </tr> <tr> <td data-bbox="907 1334 1398 1399">B</td> <td data-bbox="1398 1334 1885 1399">8</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	0	B	8		
Letter Grade	Number of student											
A	0											
B	8											

				C	5								
5. Describe Phase shift Keying (PSK) circuit, operation and troubleshoot PSK circuit.	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.</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>7</td> </tr> <tr> <td>C</td> <td>5</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	1	B	7	C	5
Letter Grade	Number of student												
A	1												
B	7												
C	5												
6. Describe Time division Multiplexing (TDM) circuit, operation and troubleshoot TDM circuit.	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.</p>									

				Letter Grade	Number of student								
				A	3								
				B	7								
				C	5								
7. Describe Frequency Division Multiplexing (FDM) circuit, operation and troubleshoot FDM circuit	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.</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>4</td> </tr> <tr> <td>C</td> <td>9</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	0	B	4	C	9
Letter Grade	Number of student												
A	0												
B	4												
C	9												

Additional observations: Need to purchase additional set of NIDA cards to accommodate growing number of students enrolled in the course.

Special comments: There were 1 student got A, 6 students got B, 5 students got C and 1 got F for absenteeism.

Recommendations: Need to buy additional 1 set of signal processing card to accommodate more students during hands on activity. Students must have and should shoulder the cost of the copy of Nida reference manual for signal processing.

Signature: _____

Date: _____

Name typed, position

Review of Performance: (VEE 250 Cooperative Education, Spring 2013, 13 students)

Submitted by: Nelchor Permitez Ed. D.

Institutional Learning Outcomes (ILO):

ILO1: communicate effectively

ILO2: employ critical thinking [*& problem solving*]

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PLO5: Practice a career in the Telecomm Industry.

PLO6: Troubleshoot microwave, fiber optics and telephone system.

SLO#	Program SLO#	I, D, M	ILO	Reflection/Comment				
1. Perform positive job-related traits in the workplace.	Practice a career in the Telecomm Industry.	D	5	The students were able to follow the work ethics set by the workplace were they are assigned. <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 style="text-align: center;">A</td> <td style="text-align: center;">13</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	13
Letter Grade	Number of student							
A	13							
2. Demonstrate technical know-	Practice a career in the	D	5	The supervisor is very well impress with the possess skills the student demonstrated while at the workplace performing the assigned task.				

how of his/her trade.	Telecomm Industry.			Letter Grade	Number of student
				A	13
3. Apply learned human relationship in the workplace.	Practice a career in the Telecomm Industry.	M	5	The assigned supervisor rated the students excellent in terms of relationship to others in the workplace while on immersion.	
				Letter Grade	Number of student
				A	13
4: Participate in a give task assign by the supervisor.	Practice a career in the Telecomm Industry.	M	5	The assigned supervisor rated the students excellent in the work participation on assigned task given to the students.	
				Letter Grade	Number of student
				A	13

Additional observations: Need to increase the number of hours in immersion or on-the job-training to increase the level of awareness and experience of the student.

Special comments: Our industry partner are very glad and accommodating on having our student to be assign to them they pledge to support our future trainee as well. 13 students got a grade of A.

Recommendations: Need to make this course as part of the program and not only serve as elective.

Signature: _____

Date: _____

Name typed, position