

Review of Performance: (VTE 280 Telephone System, Spring 2012, 17 students)

Submitted by: Nelchor Permitez Ed. D.

SLO#	Program SLO#	I, D, M	Reflection/Comment								
1. Describe the major sections of the basic elements in a telephone system.	Troubleshoot radio communication , microwave, fiber optic and telephone systems.	M	<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" data-bbox="961 976 1913 1252"> <thead> <tr> <th data-bbox="961 976 1440 1045">Letter Grade</th> <th data-bbox="1440 976 1913 1045">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 1045 1440 1115">A</td> <td data-bbox="1440 1045 1913 1115">4</td> </tr> <tr> <td data-bbox="961 1115 1440 1185">B</td> <td data-bbox="1440 1115 1913 1185">10</td> </tr> <tr> <td data-bbox="961 1185 1440 1252">C</td> <td data-bbox="1440 1185 1913 1252">3</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	10	C	3
Letter Grade	Number of student										
A	4										
B	10										
C	3										

<p>2. Describe the telephone system used in the U.S. and the F.S.M.</p>	<p>Troubleshoot radio communication , microwave, fiber optic and telephone systems.</p>	<p>M</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 activities.</p> <table border="1" data-bbox="961 570 1915 846"> <thead> <tr> <th data-bbox="961 570 1440 639">Letter Grade</th> <th data-bbox="1440 570 1915 639">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 639 1440 709">A</td> <td data-bbox="1440 639 1915 709">5</td> </tr> <tr> <td data-bbox="961 709 1440 779">B</td> <td data-bbox="1440 709 1915 779">9</td> </tr> <tr> <td data-bbox="961 779 1440 846">C</td> <td data-bbox="1440 779 1915 846">4</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	5	B	9	C	4
Letter Grade	Number of student										
A	5										
B	9										
C	4										
<p>3. Describe and troubleshoot the operations of the mechanical and electronic telephone sets.</p>	<p>Troubleshoot radio communication , microwave, fiber optic and telephone systems.</p>	<p>M</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>								

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Letter Grade	Number of student										
A	4										
B	9										
C	4										
<p>4. Describe and demonstrate two methods of signal processing and two types of connection links that are commonly used today's telecommunication systems, or telephone systems.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>M</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 activities.</p> <table border="1"> <thead> <tr> <th data-bbox="961 1118 1440 1187">Letter Grade</th> <th data-bbox="1440 1118 1919 1187">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 1187 1440 1255">A</td> <td data-bbox="1440 1187 1919 1255">5</td> </tr> <tr> <td data-bbox="961 1255 1440 1323">B</td> <td data-bbox="1440 1255 1919 1323">11</td> </tr> <tr> <td data-bbox="961 1323 1440 1391">C</td> <td data-bbox="1440 1323 1919 1391">2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	5	B	11	C	2
Letter Grade	Number of student										
A	5										
B	11										
C	2										

<p>5. Describe cellular telephone from a theoretical and hardware perspective.</p>	<p>Troubleshoot radio communication , microwave, fiber optic and telephone systems.</p>	<p>M</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 activities.</p> <table border="1" data-bbox="961 776 1915 1052"> <thead> <tr> <th data-bbox="961 776 1440 846">Letter Grade</th> <th data-bbox="1440 776 1915 846">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 846 1440 915">A</td> <td data-bbox="1440 846 1915 915">4</td> </tr> <tr> <td data-bbox="961 915 1440 985">B</td> <td data-bbox="1440 915 1915 985">10</td> </tr> <tr> <td data-bbox="961 985 1440 1052">C</td> <td data-bbox="1440 985 1915 1052">3</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	10	C	3
Letter Grade	Number of student										
A	4										
B	10										
C	3										

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: There were 4 students got A, 10 students got B and 3 students got C

Recommendations: Modify the course outline and include the TCM-200 telecommunication trainer activities in the student learning outcome.

Signature: _____

Date: _____

Name typed, position

Institution Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- _____ a. communicate effectively
- ✓ _____ b. employ critical thinking [*& problem solving*]
- ✓ _____ c. possess specific knowledge and skills in a major discipline or professional program of study
- ✓ _____ d. take responsibility and develop skills for learning
- _____ e. interact responsibly with people, cultures, and their environment

Review of Performance: (VTE 260 Microwave, Spring 2012, 18 students)

Submitted by: Nelchor Permitez Ed. D.

SLO#	Program SLO#	I, D, M	Reflection/Comment	
1. Describe the basic concept of microwaves. microwave devices.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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	4
			C	12

<p>2. Explain the basic principles of microwave systems.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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="961 613 1925 889"> <thead> <tr> <th data-bbox="961 613 1451 678">Letter Grade</th> <th data-bbox="1451 613 1925 678">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 678 1451 748">A</td> <td data-bbox="1451 678 1925 748">2</td> </tr> <tr> <td data-bbox="961 748 1451 818">B</td> <td data-bbox="1451 748 1925 818">6</td> </tr> <tr> <td data-bbox="961 818 1451 889">C</td> <td data-bbox="1451 818 1925 889">10</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	6	C	10
Letter Grade	Number of student										
A	2										
B	6										
C	10										
<p>3. Describe the operation microwave transmitters.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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>								

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Letter Grade	Number of student										
A	2										
B	5										
C	11										
4. Describe the operation microwave receivers.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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> </tbody> </table>	Letter Grade	Number of student	A	2				
Letter Grade	Number of student										
A	2										

			<table border="1"> <tr> <td>B</td> <td>6</td> </tr> <tr> <td>C</td> <td>10</td> </tr> </table>	B	6	C	10				
B	6										
C	10										
5. Compare waveguides with other methods energy transfer.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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>4</td> </tr> <tr> <td>C</td> <td>12</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	4	C	12
Letter Grade	Number of student										
A	2										
B	4										
C	12										

<p>6. Describe the theory and operation of horn antennas, microwave reflectors and lenses.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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="961 678 1919 954"> <thead> <tr> <th data-bbox="961 678 1451 743">Letter Grade</th> <th data-bbox="1451 678 1919 743">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 743 1451 816">A</td> <td data-bbox="1451 743 1919 816">3</td> </tr> <tr> <td data-bbox="961 816 1451 885">B</td> <td data-bbox="1451 816 1919 885">4</td> </tr> <tr> <td data-bbox="961 885 1451 954">C</td> <td data-bbox="1451 885 1919 954">11</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	4	C	11
Letter Grade	Number of student										
A	3										
B	4										
C	11										
<p>7. Describe cavity Resonators and tube microwave devices.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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</p>								

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Letter Grade	Number of student										
A	2										
B	3										
C	13										
8. Describe the theory semiconductor microwave devices.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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>6</td> </tr> <tr> <td>C</td> <td>10</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	6	C	10
Letter Grade	Number of student										
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B	6										
C	10										

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Additional observations: Needs more test equipment such as NIDA microwave trainer 2 more set to accommodate the growing number student currently the program have 2 sets of trainer. Need also to buy additional microwave cards for troubleshooting and backup.

Special comments: There were 2 students got A, 5 students got B and 11 students got C

Recommendations: Modify the course outline and include video and data transmission via microwave.

Signature: _____

Date: _____

Name typed, position

Institution Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- _____ a. communicate effectively
- ✓ _____ b. employ critical thinking [*& problem solving*]
- ✓ _____ c. possess specific knowledge and skills in a major discipline or professional program of study
- ✓ _____ d. take responsibility and develop skills for learning
- _____ e. interact responsibly with people, cultures, and their environment

Review of Performance: (VTE 281 Cellular phone Servicing, Spring 2012, 16 students)

Submitted by: Nelchor Permitez Ed. D.

SLO#	Program SLO#	I, D, M	Reflection/Comment	
<p>1. Describe the fundamentals and operation of a cellular phone.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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>	
			<p>Letter Grade</p>	<p>Number of student</p>
			<p>A</p>	<p>4</p>
			<p>B</p>	<p>7</p>
			<p>C</p>	<p>5</p>

2. Describe and inspect the common parts of cellular phone.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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>4</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	8	C	4
Letter Grade	Number of student										
A	4										
B	8										
C	4										
3. Identify and test cellular phone accessories and peripherals	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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	5										
B	7										
C	4										
4. Identify and describe symptoms and troubles of a cellular phone using service manual procedures.	Troubleshoot radio communication, microwave, fiber optic and telephone systems.	D	<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>4</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	8	C	4
Letter Grade	Number of student										
A	4										
B	8										
C	4										

<p>5. Troubleshoot hardware and software problems commonly encountered in a cellular phone.</p>	<p>Troubleshoot radio communication, microwave, fiber optic and telephone systems.</p>	<p>D</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="961 680 1925 956"> <thead> <tr> <th data-bbox="961 680 1451 745">Letter Grade</th> <th data-bbox="1451 680 1925 745">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 745 1451 816">A</td> <td data-bbox="1451 745 1925 816">5</td> </tr> <tr> <td data-bbox="961 816 1451 888">B</td> <td data-bbox="1451 816 1925 888">7</td> </tr> <tr> <td data-bbox="961 888 1451 956">C</td> <td data-bbox="1451 888 1925 956">4</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	5	B	7	C	4
Letter Grade	Number of student										
A	5										
B	7										
C	4										
<p>6. Assemble and disassemble different brands of cellular phones.</p>	<p>Troubleshoot radio communication, microwave, fiber optic</p>	<p>D</p>	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p>								

	and telephone systems.		<p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="961 505 1919 777"> <thead> <tr> <th data-bbox="961 505 1451 573">Letter Grade</th> <th data-bbox="1451 505 1919 573">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="961 573 1451 641">A</td> <td data-bbox="1451 573 1919 641">4</td> </tr> <tr> <td data-bbox="961 641 1451 709">B</td> <td data-bbox="1451 641 1919 709">7</td> </tr> <tr> <td data-bbox="961 709 1451 777">C</td> <td data-bbox="1451 709 1919 777">5</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	4	B	7	C	5
Letter Grade	Number of student										
A	4										
B	7										
C	5										

Additional observations: Needs soldering equipment such as hot air solder station, infra red station, BGA nets, BGA paste, twissers and torx screw drivers.

Special comments: There were 4 students got A, 8 students got B and 4 students got C

Recommendations: Modify the course outline and include smart phone, android phone and apple phone.

Signature: _____

Date: _____

Name typed, position

Institution Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- a. communicate effectively
- ✓ b. employ critical thinking [*& problem solving*]
- ✓ c. possess specific knowledge and skills in a major discipline or professional program of study
- ✓ d. take responsibility and develop skills for learning
- e. interact responsibly with people, cultures, and their environment

Review of Performance: (VEE 225 Business machine servicing, Spring 2011, 11 students)

Submitted by: Nelchor Permitez Ed. D.

SLO#	Program SLO#	I, D, M	Reflection/Comment							
1. Service and repair machine.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	<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="940 1221 1915 1421"> <thead> <tr> <th data-bbox="940 1221 1430 1289">Letter Grade</th> <th data-bbox="1430 1221 1915 1289">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="940 1289 1430 1357">A</td> <td data-bbox="1430 1289 1915 1357">2</td> </tr> <tr> <td data-bbox="940 1357 1430 1421">B</td> <td data-bbox="1430 1357 1915 1421">10</td> </tr> </tbody> </table>		Letter Grade	Number of student	A	2	B	10
Letter Grade	Number of student									
A	2									
B	10									

			<table border="1"> <tr> <td>C</td> <td>1</td> </tr> </table>	C	1						
C	1										
2. Service and repair computer printers (laser and deskjet).	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	<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>11</td> </tr> <tr> <td>C</td> <td>0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	11	C	0
Letter Grade	Number of student										
A	1										
B	11										
C	0										
3. Service and repair ca registers.	Perform troubleshooting techniques to maintain, diagnose, and repair	M	<p>The SLO was assess using hands-on troubleshooting and written quiz and examination.</p>								

	electronic equipment and devices.		<p>Students need more time in hands-on and other practical procedure to reach mastery level performance.</p> <table border="1" data-bbox="942 435 1915 711"> <thead> <tr> <th data-bbox="942 435 1430 505">Letter Grade</th> <th data-bbox="1430 435 1915 505">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="942 505 1430 574">A</td> <td data-bbox="1430 505 1915 574">2</td> </tr> <tr> <td data-bbox="942 574 1430 644">B</td> <td data-bbox="1430 574 1915 644">11</td> </tr> <tr> <td data-bbox="942 644 1430 711">C</td> <td data-bbox="1430 644 1915 711">0</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	11	C	0
Letter Grade	Number of student										
A	2										
B	11										
C	0										
4. Service and repair photocopiers.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	M	<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="942 1198 1915 1406"> <thead> <tr> <th data-bbox="942 1198 1430 1268">Letter Grade</th> <th data-bbox="1430 1198 1915 1268">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="942 1268 1430 1338">A</td> <td data-bbox="1430 1268 1915 1338">1</td> </tr> <tr> <td data-bbox="942 1338 1430 1406">B</td> <td data-bbox="1430 1338 1915 1406">11</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	1	B	11		
Letter Grade	Number of student										
A	1										
B	11										

			C	0								
5. Service and repair microwave ovens.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	<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>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: 1 students got A, 11 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

Institution Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- _____ a. communicate effectively
- ✓ _____ b. employ critical thinking [*& problem solving*]
- ✓ _____ c. possess specific knowledge and skills in a major discipline or professional program of study
- ✓ _____ d. take responsibility and develop skills for learning
- _____ e. interact responsibly with people, cultures, and their environment

Review of Performance: (VEE 224 Video Product Servicing, Spring 2011, 12 students)

Submitted by: Nelchor Permitez Ed. D.

SLO#	Program SLO#	I, D, M	Reflection/Comment								
1. Repair television (TV) and computer monitor system.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	D	<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="947 1154 1913 1422"> <thead> <tr> <th data-bbox="947 1154 1432 1222">Letter Grade</th> <th data-bbox="1432 1154 1913 1222">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="947 1222 1432 1291">A</td> <td data-bbox="1432 1222 1913 1291">3</td> </tr> <tr> <td data-bbox="947 1291 1432 1359">B</td> <td data-bbox="1432 1291 1913 1359">8</td> </tr> <tr> <td data-bbox="947 1359 1432 1422">C</td> <td data-bbox="1432 1359 1913 1422">1</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	8	C	1
Letter Grade	Number of student										
A	3										
B	8										
C	1										

<p>2. Repair video cassette recorders (VCR).</p>	<p>Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.</p>	<p>D</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="949 678 1915 956"> <thead> <tr> <th data-bbox="949 678 1432 748">Letter Grade</th> <th data-bbox="1432 678 1915 748">Number of student</th> </tr> </thead> <tbody> <tr> <td data-bbox="949 748 1432 818">A</td> <td data-bbox="1432 748 1915 818">2</td> </tr> <tr> <td data-bbox="949 818 1432 888">B</td> <td data-bbox="1432 818 1915 888">8</td> </tr> <tr> <td data-bbox="949 888 1432 956">C</td> <td data-bbox="1432 888 1915 956">2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	2	B	8	C	2
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C	2										
<p>3. Repair compact disc (CD) players.</p>	<p>Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and</p>	<p>M</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</p>								

	devices.		<p>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>2</td> </tr> </tbody> </table>	Letter Grade	Number of student	A	3	B	7	C	2
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4. Repair digital video disc (DVD) player.	Perform troubleshooting techniques to maintain, diagnose, and repair electronic equipment and devices.	M	<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
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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 2 students got A , 8 students got B and 2 got C.

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

Institution Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- _____ a. communicate effectively
- ✓ _____ b. employ critical thinking [*& problem solving*]
- ✓ _____ c. possess specific knowledge and skills in a major discipline or professional program of study
- ✓ _____ d. take responsibility and develop skills for learning
- _____ e. interact responsibly with people, cultures, and their environment