# Assessment Impact by Course Objectives Palau Community College Program (AM) - Automotive Mechanics Technology

# **Program (AM) - Automotive Mechanics Technology**

#### CLO: AM 125 - Automotive Electricity: CLO 1

Service Automotive Battery

#### CLO Assessment Cycle: 2014-2015 (Spring 2015)

Means of Assessment				
Means of Assessment	Expected Student Performance	Notes	Active	
Name battery parts and components and explain battery charging and discharging process, and electrolyte function analyze cause and effect involving battery problems. <b>Signature assignment:</b> Final Exam	70% of the students assessed will perform at the proficiency level.		Yes	
Check battery electrolyte specific gravity, Conduct battery charging, Conduct battery connection, Check battery plate's condition, Check battery charging voltage <b>Signature assignment:</b> Practical Application Skill Test	70% of the students assessed will perform at the proficiency level.		Yes	

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Final Exam - 06/02/2015 - 52.4% of the students assessed performed at	06/10/2015 - Actual results:		2014 - 2015 (Spring
the proficiency level.	11 out of 21 students are proficient; 11 are		2015)
Expected Student Performance Met:	competent and none is highly competent.		
No	Therefore, 52.4% of the students assessed passed		
Related Documents:	the knowledge test.		
AM-125 midterm exam knowledge spring 2015.pdf			
	Analyzed results:		
	Privation on comprehending the operating principles of automotive battery is obvious on the		
	test result.		
	tost robuit.		
	Recommendations:		
	1.) Set-up film showing to help the students		
	understand in the wiring diagram and of the		
	principles of operation of battery.		
	2.) Add repair manuals to help the students		
	know the concepts and specifications of automotive		
	batteries.		
	Action plan:		
	1.) Purchase repair manuals (e-copy and in		
	print) before December 2015.		
	2.) Purchase a DVD movie that correlates to		
	,		

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	<ul> <li>servicing automotive battery before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #1; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM-125</li> <li>4.) Set-up film viewing</li> </ul>		
Practical Application Skill Test - 06/02/2015 - 90.5% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <u>AM-125 SKILLS SPRING 2015.pdf</u>	<ul> <li>06/10/2015 - Actual results:</li> <li>19 out of 21 students are proficient; 10 are competent and 9 are highly competent. Therefore, 90.5% of the students assessed passed the skills assessment.</li> <li>Analyzed results: <ul> <li>The result of skills assessment was good, but the highly competent students are less than the number of competent students.</li> </ul> </li> <li>Recommendations: <ul> <li>Set-up film showing to motivate the students to participate in class discussion and reporting.</li> <li>Add repair manuals to help the students know the concepts and specification of ignition system.</li> <li>Add more mock-ups for automotive battery to allow the students to practice on their free time.</li> <li>Purchase video cam to record their laboratory activity and review their performance and technique.</li> </ul> </li> <li>Action plan: <ul> <li>Purchase a DVD movie that correlates to servicing automotive battery before December 2015.</li> <li>Produce more mock-ups before December 2015.</li> <li>Purchase video cam before 2015.</li> </ul> </li> </ul>		2014 - 2015 (Spring 2015)

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	<ul> <li>next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #1; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM-125</li> <li>4.) Set-up film viewing</li> <li>5.) Conduct in-house Skills Olympic</li> </ul>		
Practical Application Skill Test - 07/08/2014 - 100% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b>	07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)
AM125 CLO1 skills.pdf			
Final Exam - 07/08/2014 - 76% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes	e 07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)
Related Documents: AM125 CLO1-2 fe.pdf			

Service Starting System

CLO Assessment Cycle: 2014-2015 (Spring 2015)

Means of Assessment				
Means of Assessment	Expected Student Performance	Notes	Active	
Name starter system parts and components and explain starter motor operating principle and their specification and analyze cause and effect involving starting system problems.			Yes	
<b>Signature assignment:</b> Final Exam				

		Means of Assessment		
Means of Assessment		<b>Expected Student Performance</b>	Notes	Active
Check starter motor operation, Check starter switch and relay, Remove sta assembly, Dismantle starter motor assembly, Test armature winding, Tess switch, Test field coil winding, Assemble starter motor components, Insta assembly.	t solenoid	70% of the students assessed will pe the proficiency level. or	erform at	Yes
Signature assignment: Practical Application Skill Test				
		Results		
Summary of Data Collected	Use of Resul	lts	Follow-Up	Semester Assess
Final Exam - 06/02/2015 - 24% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM-125 midterm exam knowledge spring 2015.pdf</u>	5 out of 21 s and none is h the students Analyzed res Privation starting system Recommend 1.) Set-u students to p reporting. 2.) Add	tudents are proficient; 5 are competent nighly competent. Therefore, 24% of assessed passed the knowledge test. sults: on on comprehending the concepts of em is obvious on the test result.		2014 - 2015 (Spri 2015)
	print) before 2.) Put servicing sta Extended ser competent st next semeste 1.) Tutorial s additional le #2; students their free tim enhancemen 2.) Auto club	rchase repair manuals (e-copy and in December 2015. rchase a DVD movie that correlates to rting system before December 2015. rvices offered; to produce more highly rudents in knowledge and skills for the er (spring 2016). services (assistant instructor will give cture and hands-on practice on CLO are encourage to come in the shop on he for knowledge and skills t. b will offer car servicing (the students Federal Work study will be employed		

3.) Set-up work stations for all the CLOs of AM-125

4.) Set-up film viewing

Practical Application Skill Test - 06/02/2015 - 90.5% of the students assessed performed at the proficiency level.

07/03/2015 - Actual results: 19 out of 21 students are proficient; 13 are 2014 - 2015 (Spring 2015)

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assesse
<b>Expected Student Performance Met:</b> Yes	competent and 2 are highly competent. Therefor 90.5% of the students assessed passed the skills assessment.		
Related Documents:	assessment.		
AM-125 SKILLS SPRING 2015.pdf	Analyzed results: The result of skills assessment was good, by the highly competent students are less than the	ut	
	number of competent students.		
	Recommendations: Course success can be improved by;		
	<ol> <li>Adding more mock-ups for CLO #2 (to have more laboratory hands-on practice and to enhance servicing technique).</li> <li>Forming repair shop (to enhance servicing technique and gain more skills and experience.</li> <li>Adding repair manuals (for reference in specification of starting system and components)</li> </ol>	).	
	<ul><li>4.) Expanding classrooms areas (to create condulearning environment; starting system parts and components will be displayed with name tags, as specifications.</li><li>5.) Video every laboratory activities to review the system of the</li></ul>	nd	
	laboratory performance and techniques.		
	Action Plan: 1.) Produce additional mock-ups, before December 2015.	ber	
	2.) Establish repair shop (a student business repa shop in school campus) before December 2015.		
	<ul><li>3.) Purchase repair manuals (e-copy and/or in-pr December 2015.</li><li>4.) Renovate Classroom before December 2015.</li></ul>		
	5.) Purchase video cam and automotive technolo DVD movies before December 2015.		
	Extended services offered; to produce more high competent students in knowledge and skills for t		
	next semester (spring 2016). 1.) Tutorial services (assistant instructor will giv additional lecture and hands-on practice on CLC		
	#2; students are encourage to come in the shop of their free time for knowledge and skills		
	enhancement. 2.) Auto club will offer car servicing (the studen	ıts	
	approved by Federal Work study will be employ in Auto Club).	ved	
	3.) Set-up work stations for all the CLOs of AM 125	[-	
	<ul><li>4.) Set-up film viewing</li><li>5.) Conduct in-house Skills Olympic</li></ul>		

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Practical Application Skill Test - 07/08/2014 - 94% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes	07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)
Related Documents:         AM125 CLO2 skills.pdf			
Final Exam - 07/08/2014 - 35% of the students assessed performed at the proficiency level. Expected Student Performance Met: No Related Documents: <u>AM125 CLO1-2 fe.pdf</u>	<ul> <li>07/08/2014 - Recommend that students be given a task to do research to better understand the principles of operation and function of each part and component. Video clips should be viewed during laboratory time to help students familiarize part names, sequence and specifications.</li> <li>A video camcorder, a flat screen television and DVD player should be purchased to accommodate film viewing during laboratory and to record some laboratory performance of each student. Mock-ups could also help the students to improve their laboratory performance. If Mock-ups could be purchased, or if student were allowed to accept car repairs, this would also greatly help the students to improve their laboratory performance in areas where they demonstrated poor skill application.</li> </ul>		2013 - 2014 (Spring 2014)

Service Charging System

## CLO Assessment Cycle: 2014-2015 (Spring 2015)

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Name Charging system parts and components, and explain their principles of operation and diagnose charging system problem that correlates engine performance.	70% of the students assessed will perform at the proficiency level.		Yes
Signature assignment: Final Exam			
Check charging output, Check charging system wiring connection, Check voltage regulator operation, Remove alternator assembly, Dismantle alternator assembly, Test stator winding, Test rotor winding, Replace alternator carbon brush, Check rectifier diod operation, Assemble alternator components, Install alternator assembly.	70% of the students assessed will perform at the proficiency level. e		Yes
Signature assignment: Practical Application Skill Test			

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Final Exam - 06/02/2015 - 47.6% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM-125 midterm exam knowledge spring 2015.pdf</u>	<ul> <li>06/10/2015 - Actual results:</li> <li>10 out of 21 students are proficient; 10 are competent and none is highly competent.</li> <li>Therefore, 47.6% of the students assessed passed the knowledge test.</li> <li>Analyzed results: <ul> <li>Privation on comprehending the concepts of charging system is obvious on the test result.</li> </ul> </li> </ul>		2014 - 2015 (Spring 2015)
	Recommendations: 1.) Set-up film showing to motivate the students to participate in class discussion and reporting. 2.) Add repair manuals to help the students know the concepts and specification of charging system.		
	<ul> <li>Action plan: <ol> <li>Purchase repair manuals (e-copy and in print) before December 2015.</li> <li>Purchase a DVD movie that correlates to servicing charging system before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #3; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>Set-up work stations for all the CLOs of AM-125</li> <li>Set-up film viewing</li> </ol> </li> </ul>		
Practical Application Skill Test - 06/02/2015 - 47.6% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM-125 SKILLS SPRING 2015.pdf</u>	07/03/2015 - Actual results: 10 out of 21 students are proficient; 10 are competent and none is highly competent. Therefore, 47.6% of the students assessed passed the skills assessment. Analyzed results: Students need more practice.		2014 - 2015 (Spring 2015)
	Recommendations: Course success can be improved by; 1.) Adding more mock-ups for CLO #3 (to have more laboratory hands-on practice and to enhance		

	Results		
ummary of Data Collected	Use of Results	Follow-Up	Semester Assesse
ummary of Data Collected	<ul> <li>Use of Results</li> <li>servicing technique).</li> <li>2.) Forming repair shop (to enhance servicing technique and gain more skills and experience.</li> <li>3.) Adding repair manuals (for reference in specification of charging system and components)</li> <li>4.) Expanding classrooms areas (to create conduci learning environment; engine parts and component will be displayed with name tags, and specifications.</li> <li>5.) Video every laboratory activities to review the laboratory performance and techniques.</li> <li>Action Plan: <ol> <li>Produce additional mock-ups, before December 2015.</li> <li>Produce additional mock-ups, before December 2015.</li> <li>Purchase repair manuals (e-copy and/or in-prir December 2015.</li> <li>Purchase video cam and automotive technolog DVD movies before December 2015.</li> <li>Purchase video cam and automotive technolog DVD movies before December 2015.</li> <li>Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #3; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>Set-up work stations for all the CLOs of AM-125</li> </ol> </li> </ul>	ve ts ir er (t) y y	Semester Assesse
Practical Application Skill Test - 07/08/2014 - 65% of the students assessed performed at the proficiency level. Expected Student Performance Met: No Related Documents: AM125 CLO3 skills.pdf	07/08/2014 - A video camcorder, a flat screen television and DVD player should be purchased to accommodate film viewing during laboratory and to record some laboratory performance of each student. Mock-ups could also help the students to improve their laboratory performance. If Mock- ups could be purchased, or if student were allowed to accept car repairs, this would also greatly help the students to improve their laboratory performance in areas where they demonstrated po-	1	2013 - 2014 (Sprin 2014)
	skill application.		
Final Exam - 07/08/2014 - 47% of the students assessed performed at troficiency level. Expected Student Performance Met:	he 07/08/2014 - Recommend that students be given a task to do research to better understand the principles of operation and function of each part		2013 - 2014 (Sprin 2014)
6 11:45 AM	Generated by TracDat a product of Nuventive		Page 8 of 19

Results				
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed	
No <b>Related Documents:</b> AM125 CLO3-4 fe.pdf	and component. Video clips should be viewed during laboratory time to help students familiarize part names, sequence and specifications.			

Service Ignition System

## CLO Assessment Cycle: 2014-2015 (Spring 2015)

Means of Assessment				
Means of Assessment	Expected Student Performance	Notes	Active	
Name ignition system parts and components and voltage generation and their basic principles of operation and troubleshoot ignition problem that correlates engine performance.	70% of the students assessed will perform at the proficiency level.		Yes	
<b>Signature assignment:</b> Final Exam				
Check ignition system voltage output, Measure ignition switch voltage output, Check distributor advance mechanism, Check ignition coil resistance value, Test ignition module, Adjust contact point clearance, Measure ignition system sensor resistance value, Measure high tension wire resistance value, Check spark plug condition. <b>Signature assignment:</b>	70% of the students assessed will perform at the proficiency level.		Yes	

	Results				
Summary of Data Collected	Use of Results	Follow-Up	Semester Assesse		
Final Exam - 06/02/2015 - 71.4% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> AM-125 midterm exam knowledge spring 2015.pdf	<ul> <li>06/10/2015 - Actual results:</li> <li>15 out of 21 students are proficient; 13 are competent and 2 are highly competent. Therefore, 71.4% of the students assessed passed the knowledge test.</li> <li>Analyzed results: <ul> <li>The knowledge test result was good, but the highly competent students are less than the number of competent students.</li> </ul> </li> <li>Recommendations: <ul> <li>Set-up film showing to motivate the students to participate in class discussion and reporting.</li> <li>Add repair manuals that correlates to</li> </ul> </li> </ul>		2014 - 2015 (Sprin 2015)		

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	servicing ignition system. This will help the		
	students to know more the concepts and		
	specification of ignition system.		
	Action plan:		
	1.) Purchase repair manuals (e-copy and in		
	print) before December 2015.		
	2.) Purchase a DVD movie before December 2015.		
	Extended services offered; to produce more highly		
	competent students in knowledge and skills for the		
	next semester (spring 2016).		
	1.) Tutorial services (assistant instructor will give		
	additional lecture and hands-on practice on CLO		
	#4; students are encourage to come in the shop on their free time for knowledge and skills		
	enhancement.		
	2.) Auto club will offer car servicing (the students		
	approved by Federal Work study will be employed		
	in Auto Club).		
	3.) Set-up work stations for all the CLOs of AM-		
	125 4.) Set-up film viewing		
	The set up thin the stars		
Practical Application Skill Test - 06/02/2015 - 47.4% of the students	07/03/2015 - Actual results:		2014 - 2015 (Sprin
assessed performed at the proficiency level.	11 out of 21 students are proficient; 11 are		2015)
Expected Student Performance Met:	competent and none is highly competent.		
No	Therefore, 47.4% of the students assessed passed		
Related Documents:	the knowledge test. Analyzed results:		
AM-125 SKILLS SPRING 2015.pdf	Students need more practice.		
	-		
	Recommendations:		
	Course success can be improved by;		
	1.) Adding more mock-ups for CLO #4 (to have		
	more laboratory hands-on practice and to enhance		
	servicing technique).		
	2.) Forming repair shop (to enhance servicing		
	technique and gain more skills and experience.		
	3.) Adding repair manuals (for reference in specification of charging system and components).		
	4.) Expanding classrooms areas (to create conduciv	e	
	learning environment; ignition system parts and	-	
	components will be displayed with name tags, and		
	specifications.		
	5.) Video every laboratory activities to review their laboratory performance and techniques.		
	laboratory performance and techniques.		
	Action Plan:		
	1.) Produce additional mock-ups, before December		
	2015.		
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	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	<ol> <li>2.) Establish repair shop (a student business repair shop in school campus) before December 2015.</li> <li>3.) Purchase repair manuals (e-copy and/or in-print December 2015.</li> <li>4.) Renovate Classroom before December 2015.</li> <li>5.) Purchase video cam and automotive technology DVD movies before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #4; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM- 125</li> <li>4.) Set-up film viewing</li> <li>5.) Conduct in-house Skills Olympic</li> </ol>		
Practical Application Skill Test - 07/08/2014 - 59% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM125 CLO4 skills.pdf</u>	07/08/2014 - A video camcorder, a flat screen television and DVD player should be purchased to accommodate film viewing during laboratory and to record some laboratory performance of each student. Mock-ups could also help the students to improve their laboratory performance. If Mock- ups could be purchased, or if student were allowed to accept car repairs, this would also greatly help the students to improve their laboratory performance in areas where they demonstrated poo skill application	r	2013 - 2014 (Spring 2014)
Final Exam - 07/08/2014 - 71% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes	07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)
Related Documents: AM125 CLO3-4 fe.pdf			

Service Engine Electrical System

## CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

#### **Means of Assessment**

Means of Assessment					
Means of Assessment	Expected Student P	Performance Notes	Active		
Name engine electrical system components and explain parts function an principles of operation.	d their 70% of the students a the proficiency level.	assessed will perform at .	Yes		
Signature assignment: Final Exam					
Check electrically operated cooling fan operation, Check electrically ope fan relay and sensor switch, Check engine temperature sensor, Check eng gauge, Check oil pressure sensor, Check oil pressure gauge.		assessed will perform at	Yes		
Signature assignment: Practical Application Skill Test					
	Results				
Summary of Data Collected	Use of Results	Follow-Up	Semester Assesse		
Final Exam - 06/02/2015 - 76.2% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> AM-125 final exam knowledge test spring 2015.pdf	06/10/2015 - Actual results: 16 out of 21 students are proficient; competent and none is highly comp Therefore, 76.2% of the students ass the knowledge test. Analyzed results: Logically, the knowledge test m but none is highly competent.	etent. sessed passed	2014 - 2015 (Sprin 2015)		
	Recommendations: 1.) Set-up film showing to moti students to participate in class discu reporting. 2.) Add repair manuals that corr servicing engine electrical system. The the students to know more the conce specification of engine electrical system.	ission and relates to This will help epts and			
	<ul> <li>Action plan: <ol> <li>Purchase repair manuals (oprint) before December 2015.</li> <li>Purchase a DVD movie th servicing engine electrical system b 2015.</li> </ol> </li> <li>Extended services offered; to produ competent students in knowledge ar next semester (spring 2016).</li> <li>Tutorial services (assistant instruadditional lecture and hands-on prace #5; students are encourage to come their free time for knowledge and sk enhancement.</li> </ul>	at correlates to efore December ce more highly nd skills for the actor will give ctice on CLO in the shop on			

	Results		
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	approved by Federal Work study will be employed		
	in Auto Club).		
	3.) Set-up work stations for all the CLOs of AM-		
	125		
	4.) Set-up film viewing		
Practical Application Skill Test - 06/02/2015 - 47.6% of the students	07/03/2015 - Actual results:		2014 - 2015 (Spring
ssessed performed at the proficiency level.	10 out of 21 students are proficient; 9 are		2015)
Expected Student Performance Met:	competent and 1 is highly competent. Therefore,		
lo	47.6% of the students assessed passed the		
Related Documents:	knowledge test.		
AM-125 SKILLS SPRING 2015.pdf	Analyzed results:		
	Students need more hands-on practice.		
	Students need more hunds on practice.		
	Recommendations:		
	Course success can be improved by;		
	1.) Adding more mock-ups for CLO #5 (to have		
	more laboratory hands-on practice and to enhance		
	servicing technique).		
	2.) Forming repair shop (to enhance servicing		
	technique and gain more skills and experience.		
	3.) Adding repair manuals (for reference in		
	specification of engine electrical system and		
	components).		
	4.) Expanding classrooms areas (to create conduciv learning environment; engine electrical system	e	
	parts and components will be displayed with name		
	tags, and specifications.		
	5.) Video every laboratory activities to review their		
	laboratory performance and techniques.		
	Action Plan:		
	1.) Produce additional mock-ups, before December 2015.		
	2.) Establish repair shop (a student business repair		
	shop in school campus) before December 2015.		
	3.) Purchase repair manuals (e-copy and/or in-print)	)	
	December 2015.		
	4.) Renovate Classroom before December 2015.		
	5.) Purchase video cam and automotive technology DVD movies before December 2015.		
	Extended services offered; to produce more highly competent students in knowledge and skills for the		
	next semester (spring 2016).		
	1.) Tutorial services (assistant instructor will give		
	additional lecture and hands-on practice on CLO		
	#5; students are encourage to come in the shop on		
	their free time for knowledge and skills		
	enhancement.		
	2.) Auto club will offer car servicing (the students		

Results				
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed	
	<ul> <li>approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM- 125</li> <li>4.) Set-up film viewing</li> <li>5.) Conduct in-house Skills Olympic</li> </ul>			
Practical Application Skill Test - 07/08/2014 - 71% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes	07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)	
Related Documents: AM125 CLO5 skills.pdf				
Final Exam - 07/08/2014 - 71% of the students assessed performed at the proficiency level. Expected Student Performance Met: Yes	e 07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)	
Related Documents:         AM125 CLO5-6 fe.pdf				

Service Lighting System

## CLO Assessment Cycle: 2014-2015 (Spring 2015)

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Draw and Read Electrical wiring schematic diagram of Head light circuit, Park and tail light circuit, Signal and hazard light circuit, Stop light circuit, Plate light circuit, Passenger's light circuit.	70% of the students assessed will perform at the proficiency level.		Yes
Signature assignment: Final Exam			
Check light bulbs, Check lighting system relay and fuses, Check light switch terminal contact, Conduct wiring installation for head light circuit, Conduct wiring installation for park and tail circuit, Conduct wiring installation for signal and hazard circuit, Conduct wiring installation for stop light circuit, Conduct wiring installation for horn circuit, Conduct wiring installation for plate light circuit.	70% of the students assessed will perform at the proficiency level.		Yes
Signature assignment: Practical Application Skill Test			

	Results		
immary of Data Collected	Use of Results	Follow-Up	Semester Assesse
hal Exam - 06/02/2015 - 42% of the students assessed performed at the	ue 06/10/2015 - Actual results:		2014 - 2015 (Sprin
ficiency level.	8 out of 19 students are proficient; 5 are competent		2015)
pected Student Performance Met:	and 3 are highly competent. Therefore, 42% of the		
•	students assessed passed the knowledge test.		
lated Documents:	Students assessed passes		
	Analyzed results:		
A-125 final exam knowledge test spring 2015.pdf	Privation on comprehending the concepts of		
	ignition system is obvious on the test result.		
	Recommendations:		
	1.) Set-up film showing to motivate the		
	students to participate in class discussion and		
	reporting.		
	2.) Add repair manuals that correlates to		
	chassis electrical system. This will help the		
	students to know more the concepts and		
	specifications of chassis electrical system.		
	Action plan:		
	1.) Purchase repair manuals (e-copy and in		
	print) before December 2015.		
	2.) Purchase a DVD movie that correlates to		
	chassis electrical system before December 2015.		
	Extended services offered; to produce more highly		
	competent students in knowledge and skills for the		
	next semester (spring 2016).		
	1.) Tutorial services (assistant instructor will give		
	additional lecture and hands-on practice on CLO		
	#6; students are encourage to come in the shop on		
	their free time for knowledge and skills		
	enhancement.		
	2.) Auto club will offer car servicing (the students		
	approved by Federal Work study will be employed		
	in Auto Club).		
	3.) Set-up work stations for all the CLOs of AM-		
	125		
	4.) Set-up film viewing		
			2014 2015 (5
actical Application Skill Test - 06/02/2015 - 95.2% of the students	07/03/2015 - Actual results:		2014 - 2015 (Spri
sessed performed at the proficiency level.	20 out of 21 students are proficient; 14 are		2015)
spected Student Performance Met:	competent and 6 are highly competent. Therefore,		
es	95.2% of the students assessed passed the skills		
elated Documents:	assessment.		
M-125 SKILLS SPRING 2015.pdf			
	Analyzed results:		
	The result of skills assessment was good, but		
	the highly competent students are less than the		
	number of competent students.		
	Recommendations:		
	Course success can be improved by;		
	1.) Adding more mock-ups for CLO #6 (to have		
6 11:45 AM	Generated by TracDat a product of Nuventive		Page 15 of 19

Results				
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed	
	<ul> <li>more laboratory hands-on practice and to enhance servicing technique).</li> <li>2.) Forming repair shop (to enhance servicing technique and gain more skills and experience.</li> <li>3.) Adding repair manuals (for reference in specification of lighting system and components).</li> <li>4.) Expanding classrooms areas (to create conduciv learning environment; lighting system parts and components will be displayed with name tags, and specifications.</li> <li>5.) Video every laboratory activities to review their laboratory performance and techniques.</li> <li>Action Plan: <ol> <li>Produce additional mock-ups, before December 2015.</li> <li>Establish repair shop (a student business repair shop in school campus) before December 2015.</li> </ol> </li> </ul>			
	<ul> <li>3.) Purchase repair manuals (e-copy and/or in-print) December 2015.</li> <li>4.) Renovate Classroom before December 2015.</li> <li>5.) Purchase video cam and automotive technology DVD movies before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #6; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM- 125</li> <li>4.) Set-up film viewing</li> <li>5.) Conduct in-house Skills Olympic</li> </ul>			
Practical Application Skill Test - 07/08/2014 - 82% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> AM125 CLO6 skills.pdf	07/08/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)	
Final Exam - 07/08/2014 - 18% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM125 CLO5-6 fe.pdf</u>	07/08/2014 - Recommend that students be given a task to do research to better understand the principles of operation and function of each part and component. Video clips should be viewed during laboratory time to help students familiarize part names, sequence and specifications.		2013 - 2014 (Spring 2014)	

Service Chassis Electrical System

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#### CLO Assessment Cycle: 2014-2015 (Spring 2015)

	1	Means of Assessment		
Means of Assessment		Expected Student Performance	Notes	Active
Name chassis electrical system components and explain their functions a operating principles.	and their	70% of the students assessed will perf the proficiency level.	orm at	Yes
Signature assignment: Final Exam				
Check wiper motor condition, Lubricate wiper linkages, Test wiper relations switch terminal contact, Replace wiper blade, Adjust wiper rod position, washer water passage, Test wiper washer motor condition.	y, Check wiper , Clean wiper	70% of the students assessed will perf the proficiency level.	orm at	Yes
Signature assignment: Practical Application Skill Test				
		Results		
Summary of Data Collected	Use of Result	ts ]	Follow-Up	Semester Assesse
Final Exam - 06/02/2015 - 100% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <u>AM-125 midterm exam knowledge spring 2015.pdf</u>	<ul> <li>21 out of 21 s</li> <li>competent an</li> <li>100% of the s</li> <li>knowledge te</li> <li>Analyzed res</li> <li>The kno</li> <li>highly competent</li> <li>Recommenda</li> <li>1.) Set-up</li> <li>students to pa</li> <li>reporting.</li> <li>2.) Add r</li> <li>servicing cha</li> <li>the students k</li> </ul>	ults: wledge test result was good, but the etent students are less than the number students.		2014 - 2015 (Sprin 2015)
	percentage of semester offe happened we 1.) Pure	passing rate and improve the f highly competent students by next bring spring 2016, and to make this need to: chase repair manuals (e-copy and in December 2015.		

Results					
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed		
	<ul> <li>2.) Purchase a DVD movie that correlates to servicing chassis electrical system before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #7; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM-125</li> <li>4.) Set-up film viewing</li> </ul>	y e			
Practical Application Skill Test - 06/02/2015 - 43% of the students assessed performed at the proficiency level. Expected Student Performance Met: No Related Documents: AM-125 SKILLS SPRING 2015.pdf	<ul> <li>07/03/2015 - Actual results:</li> <li>10 out of 21 students are proficient; 10 are competent and none is highly competent. Therefore, 43% of the students assessed passed the skills assessment.</li> <li>Analyzed results: Students need more hands-on practice.</li> <li>Recommendations: Course success can be improved by;</li> <li>1.) Adding more mock-ups for CLO #7 (to have more laboratory hands-on practice and to enhance servicing technique).</li> <li>2.) Forming repair shop (to enhance servicing technique and gain more skills and experience.</li> <li>3.) Adding repair manuals (for reference in specification of chassis electrical system and components).</li> <li>4.) Expanding classrooms areas (to create conducivy learning environment; chassis electrical system parts and components will be displayed with name tags, and specifications.</li> <li>5.) Video every laboratory activities to review their laboratory performance and techniques.</li> <li>Action Plan: <ol> <li>Produce additional mock-ups, before December 2015.</li> <li>Purchase repair manuals (e-copy and/or in-print December 2015.</li> </ol> </li> </ul>	ve e ir er	2014 - 2015 (Spring 2015)		

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
	<ul> <li>4.) Renovate Classroom before December 2015.</li> <li>5.) Purchase video cam and automotive technology DVD movies before December 2015.</li> <li>Extended services offered; to produce more highly competent students in knowledge and skills for the next semester (spring 2016).</li> <li>1.) Tutorial services (assistant instructor will give additional lecture and hands-on practice on CLO #7; students are encourage to come in the shop on their free time for knowledge and skills enhancement.</li> <li>2.) Auto club will offer car servicing (the students approved by Federal Work study will be employed in Auto Club).</li> <li>3.) Set-up work stations for all the CLOs of AM-125</li> <li>4.) Set-up film viewing</li> <li>5.) Conduct in-house Skills Olympic</li> </ul>		
Practical Application Skill Test - 07/08/2014 - 65% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM125 CLO7 skills.pdf</u>	07/08/2014 - A video camcorder, a flat screen television and DVD player should be purchased to accommodate film viewing during laboratory and to record some laboratory performance of each student. Mock-ups could also help the students to improve their laboratory performance. If Mock- ups could be purchased, or if student were allowed to accept car repairs, this would also greatly help the students to improve their laboratory performance in areas where they demonstrated poor skill application.		2013 - 2014 (Spring 2014)
Final Exam - 07/08/2014 - 53% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> No <b>Related Documents:</b> <u>AM125 CLO7 fe.pdf</u>	07/08/2014 - Recommend that students be given a task to do research to better understand the principles of operation and function of each part and component. Video clips should be viewed during laboratory time to help students familiarize part names, sequence and specifications.		2013 - 2014 (Spring 2014)