

**Assessment Impact by Course Objectives**  
**Palau Community College**  
**Program (AC) - Air Conditioning and Refrigeration Technology**

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**CLO: AC 122 - Electric Motors, Electrical Circuits and Controls: CLO 1**

Use volt ohm meter (VOM) to test for short, ground, identify terminals, test run the motor and measure the current using Clamp meter.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrating ability to use VOM in testing and identifying terminals of compressor and measure current using clamp ammeter. <b>Signature assignment:</b> Project	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO1Level3.zip</a> <a href="#">CLO1Level4.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Project - 05/23/2014 - 100% of students assessed will performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 122 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 122 - Electric Motors, Electrical Circuits and Controls: CLO 2**

Demonstrate the ability to inspect, service or repair repulsion type motor.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to read and interpret diagrams, use simulator to identify troubles, service compressors and fan motors by servicing electrical circuits and controls of air-conditioning unit. <b>Signature assignment:</b> Project	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO2Level4.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Project - 05/23/2014 - 100% of students assessed performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 122 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

### CLO: AC 122 - Electric Motors, Electrical Circuits and Controls: CLO 3

Demonstrate the ability to inspect, replace capacitor run, capacitor start and capacitor run/start motor.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to read and interpret diagrams, use simulator to identify troubles, service compressors and fan motors by servicing electrical circuits and controls of air-conditioning unit. <b>Signature assignment:</b> Project	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO3Level4.zip</a> <a href="#">CLO3Level5.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Project - 05/23/2014 - 100% of students assessed will performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 122 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 122 - Electric Motors, Electrical Circuits and Controls: CLO 4**

Draw, read and interpret common schematic types of electrical diagrams.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to read and interpret diagrams, use simulator to identify troubles, service compressors and fan motors by servicing electrical circuits and controls of air-conditioning unit. <b>Signature assignment:</b> Project	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO4Level3.zip</a> <a href="#">CLO4Level5.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Project - 05/23/2014 - 100% of students assessed performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 122 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 122 - Electric Motors, Electrical Circuits and Controls: CLO 5**

Use air conditioning and refrigeration program to simulate electric motor problems commonly encountered in the field, apply the test procedures and test the actual unit.

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

**CLO Status:** Active

Means of Assessment

### Means of Assessment

Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to read and interpret diagrams, use simulator to identify troubles, service compressors and fan motors by servicing electrical circuits and controls of air-conditioning unit. <b>Signature assignment:</b> Project	70% of the students assessed will perform at the proficiency level.		Yes

### Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO5Level3.zip</a> <a href="#">CLO5Level4.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Project - 05/23/2014 - 100% of students assessed performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 122 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)