

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

**Program (AC) - Air Conditioning and Refrigeration Technology**

**CLO: AC 121 - Compressor System and Refrigerant Controls: CLO 1**

State five thermal laws relating to refrigeration and explain the compression cycle for domestic refrigerator.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrating ability to explain compression cycle and identify the different components of refrigeration system. <b>Signature assignment:</b> Midterm 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
Midterm Project - 05/22/2015 - 100% of the students assessed performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO1Level4.rar</a> <a href="#">CLO1Level5.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Midterm Project - 05/23/2014 - 100% of student assessed performed at a proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 121 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 121 - Compressor System and Refrigerant Controls: CLO 2**

Identify and explain the operation of each component of compression system and trace the flow of refrigerant through a complete refrigeration system.

**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
Demonstrating ability to explain compression cycle and identify the different components of refrigeration system. <b>Signature assignment:</b> Midterm Exam	70% of the students assessed will perform at the proficiency level.		Yes

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Midterm Exam - 05/22/2015 - 100% of the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO2Level4.zip</a> <a href="#">CLO2Level5.zip</a>	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Midterm Exam - 05/23/2014 - 100% of student assessed performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 121 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 121 - Compressor System and Refrigerant Controls: CLO 3**

Name the four different types of motor compressor, explain how it operates, identify the internal parts and replace motor compressor.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to identify and replace defective refrigerant control solenoid valve and compressor. <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 the students assessed performed at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">CLO3Level4.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 the students assessed perform at the proficiency level. <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 121 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 121 - Compressor System and Refrigerant Controls: CLO 4**

Explain the operation of the different types of refrigerant control, remove and replace each type.

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

**CLO Status:** Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to identify and replace defective refrigerant control solenoid valve and compressor. <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 the students assessed performed at the 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 121 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

**CLO: AC 121 - Compressor System and Refrigerant Controls: CLO 5**

Remove and replace solenoid valves of a compression system.

**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 identify and replace defective refrigerant control solenoid valve and compressor. <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 the students assessed performed at the 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 the students assess performed at the proficiency level <b>Expected Student Performance Met:</b> Yes <b>Related Documents:</b> <a href="#">AC 121 artifacts.PDF</a>	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)