

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

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CLO: AC 213 - Psychrometry and Cooling Load: CLO 1

Explain the principles of air conditioning, air movement and humidity.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to principles of air-conditioning, air movement and humidity. Signature assignment: 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
05/22/2015 - 100% of student assessed performed at proficiency level Expected Student Performance Met: Yes Related Documents: CLO1Level4.zip	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
05/22/2015 - 100% of student assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO1Level4.zip	05/22/2015 - Continue the usual administrative support to ensure students' success		2014 - 2015 (Spring 2015)
Midterm Exam - 05/23/2014 - 100% of students assessed performed at the proficiency level Expected Student Performance Met: Yes Related Documents: AC 213 artifacts.PDF	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

CLO: AC 213 - Psychrometry and Cooling Load: CLO 2

List and explain important factors involved in the operation of and air conditioning system.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Demonstrate ability to explain factors involved in operation of air-conditioning system. Signature assignment: 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
05/22/2015 - 100% of student assessed performed at proficiency level Expected Student Performance Met: Yes Related Documents: CLO2Level5.zip	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Midterm Exam - 05/23/2014 - 100% of students assessed performed at the proficiency level Expected Student Performance Met: Yes Related Documents: AC 213 artifacts.PDF	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

CLO: AC 213 - Psychrometry and Cooling Load: CLO 3

Read and interpret psychrometric chart and scales, calculate heat loads using heat load table and relate the uses of various psychrometry instruments.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Reading and interpreting psychrometric chart and scale, calculating heat loads. Signature assignment: Final 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
05/22/2015 - 100% of student assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO3and4Level5.zip	05/22/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Final Exam - 05/23/2014 - 100% of students assessed performed at the proficiency level Expected Student Performance Met: Yes	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

Results			
Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
Related Documents: AC 213 artifacts.PDF			

CLO: AC 213 - Psychrometry and Cooling Load: CLO 4

Calculate heat load and identify its sources for both heating and cooling space.

CLO Assessment Cycle: 2014-2015 (Spring 2015)

CLO Status: Active

Means of Assessment			
Means of Assessment	Expected Student Performance	Notes	Active
Reading and interpreting psychrometric chart and scale, calculating heat loads. Signature assignment: Final 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
05/22/2015 - 100% of student assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO3and4Level5.zip	05/22/2015 - Continue the usual administrative support to ensure students' success		2014 - 2015 (Spring 2015)
Final Exam - 05/23/2014 - 100% of students assessed performed at the proficiency level Expected Student Performance Met: Yes Related Documents: AC 213 artifacts.PDF	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)

CLO: AC 213 - Psychrometry and Cooling Load: CLO 5

Explain and calculate seasonal energy efficiency Ratio and determine heat load through the use of U or R Valves, square footage and design temperature chart.

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 calculate energy efficiency, square footage and design temperature chart.	70% of the students assessed will perform at the proficiency level.		Yes
Signature assignment: Final Exam			

Results

Summary of Data Collected	Use of Results	Follow-Up	Semester Assessed
05/22/2015 - 100% of student assessed performed at proficiency level. Expected Student Performance Met: Yes Related Documents: CLO5Level3.zip	07/29/2015 - Continue the usual administrative support to ensure students' success.		2014 - 2015 (Spring 2015)
Final Exam - 05/23/2014 - 100% of students assessed performed at the proficiency level Expected Student Performance Met: Yes Related Documents: AC 213 artifacts.PDF	06/18/2014 - No action needed at this time.		2013 - 2014 (Spring 2014)