

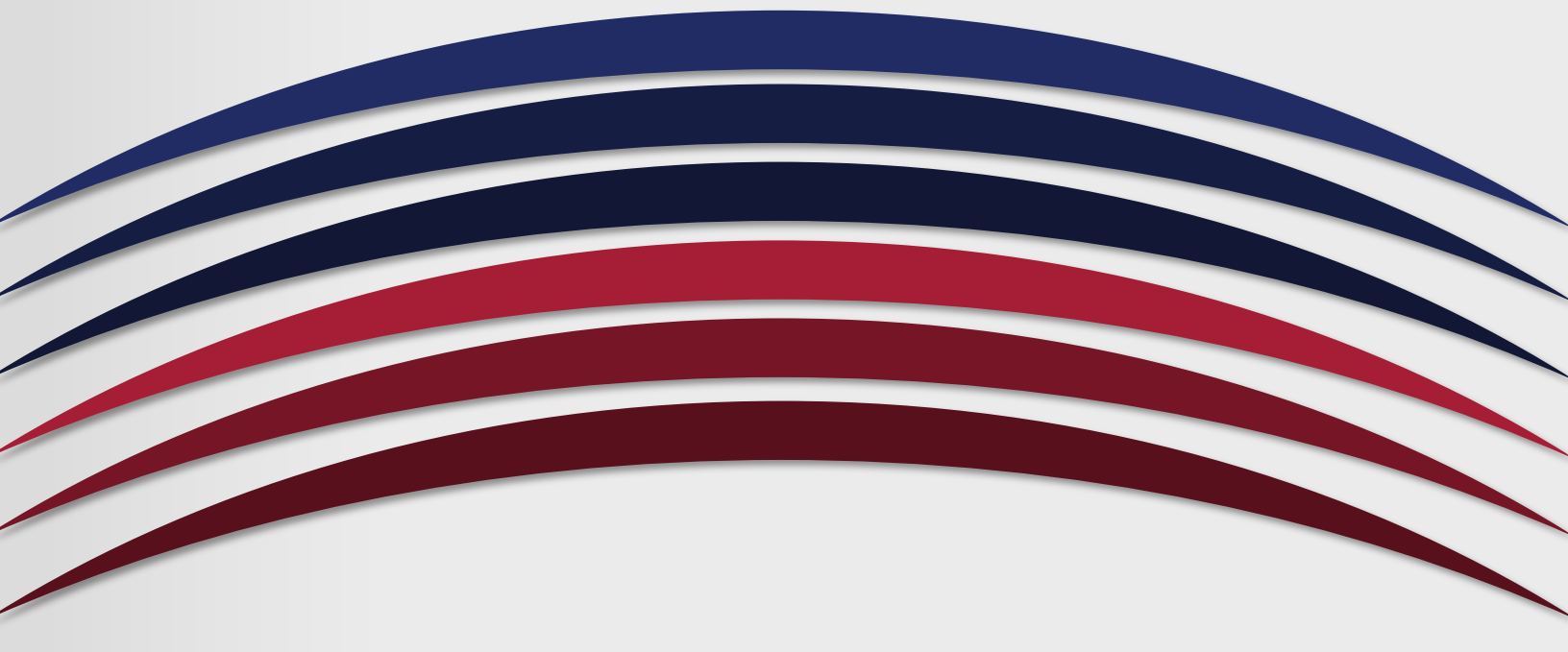
UNIVERSITY OF ARKANSAS
PULASKI TECH

Course-Level Assessment Report

Course: HVAC 1104

Academic Year: 2021-2022

**Due to Chair/Program Director and Faculty Assessment Chair by
September 1**



1. Name of course: Commercial Refrigeration
2. Name of individual(s) compiling report: Robert Dixon
3. Date of submission: 9/1/2022
4. Academic year: 2021-2022

Course-Level Learning Outcomes

1. What are the Course-Level Outcomes (CLOs)?

- a. *The students will demonstrate basic construction techniques Used in the day to day assembly of refrigeration systems.*
- b. *the students will demonstrate a basic understanding of the underlying principles and basic equipment needed to maintain their safety in a class, a laboratory, or on a commercial job site.*
- c. *The students will compare and contrast various refrigeration applications and the refrigerant used in each situation.*
- d. *The students will describe the protocols necessary to handle refrigerant in a safe and ecologically sound manner. so as not to endanger the student or the environment.*
- e. *The students will discuss the characteristics of professionalism as it applies to the day to day work of a technician in the H.V.A.C.R. industry.*
- f. *The student will apply the appropriate measures required to maintain upkeep of basic HVACR tools.*

2. Which CLOs were addressed for the academic year?

Students will demonstrate basic construction techniques used in the day to day assembly of refrigeration systems.

3. Which CLOs are being addressed in your assessment plan in the upcoming academic year?

The student will compare and contrast various refrigeration applications and the refrigerant used in each situation.

4. How does this report connect or map to program-level or institutional-level outcomes?

Connects directly to “Apply critical thinking skills to achieve a desired goal.

For each Course Level Outcome assessed this academic year, please complete the chart below, providing the assessment data for both fall and spring, and then a total for the academic year.

<p>Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported?</p> <p><i>Note: If more than one assessment method was used, you may insert an additional row.</i></p>	<p><i>Students are assessed based on written tests given by the instructor. And attendance score.</i></p>	
<p>Were indirect assessment methods also used to assess students? If ‘yes’, please describe the method used.</p>	<p>Yes</p> <p><i>Students are assessed as they participate in lab and perform the required techniques.</i></p>	<p>No</p>
<p>How do you define success for an individual student on the CLO assessment assignment or measure?</p>	<p>Student scores 70% or higher as a class final grade.</p>	
<p>How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?</p>	<p>70% of students in the course achieve success on the CLO assessment assignment or measure</p>	
<p>How many students completed the assessment, and how many were successful?</p>	<p>Fall</p> <p><i>Class not offered in the fall.</i></p>	<p>Spring</p> <p><i>10 students assessed 9 successful (90% success rate)</i></p>

Academic Year Total (add the numbers from Fall and Spring)	<i>10 students assessed 9 successful (90% success rate)</i>	
Was the benchmark/goal for this academic year met?	Yes	
Were standardized rubrics, tests, or checklists used?	Yes	

5. What is your analysis of the findings?

Students were motivated. Worked very hard all semester. A good group.

6. What is the action plan for the upcoming academic year?

Explain.

The next group of students should be motivated as well. The instructor seems to work well with the students. Emphasis at this time is to increase the quality of projects to challenge the students.