

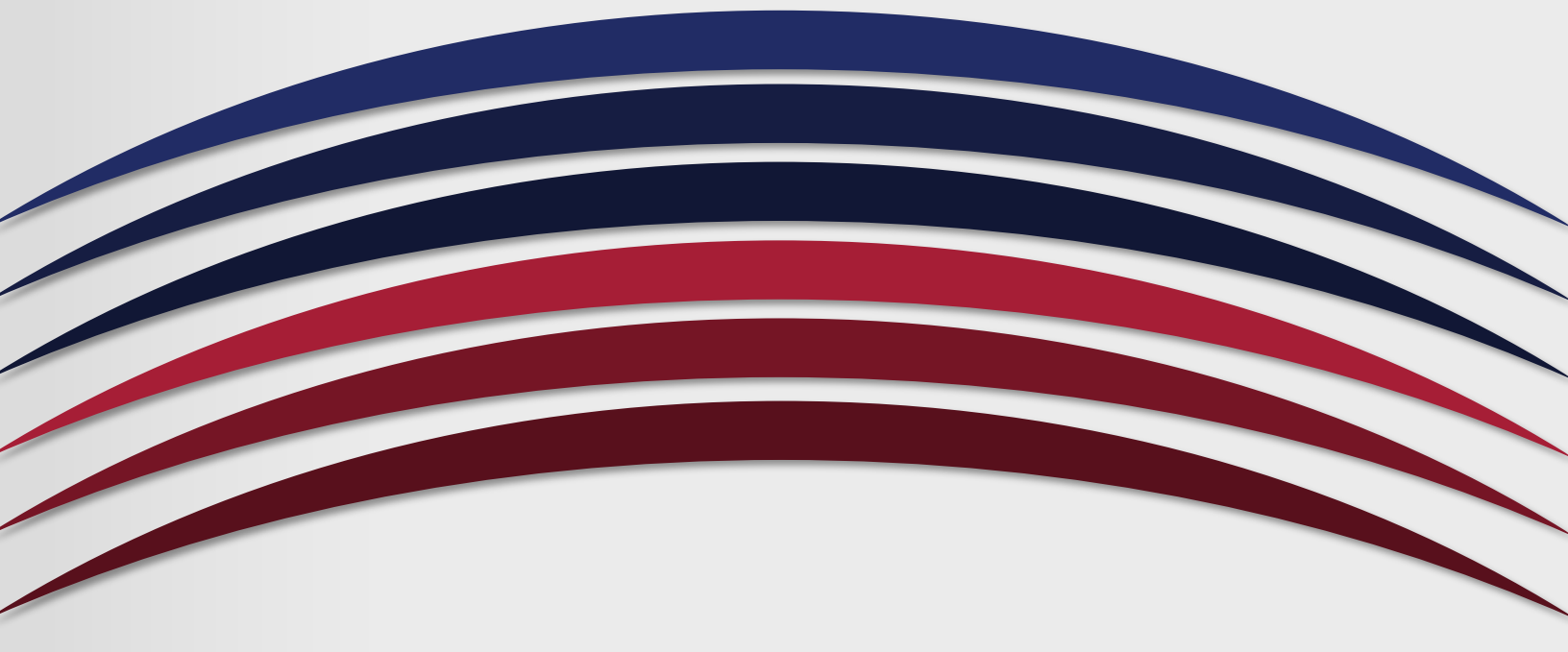
UNIVERSITY OF ARKANSAS
PULASKI TECH

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: Unitary Refrigeration
2. Name of individual(s) compiling report: Robert Dixon
3. Date of submission: 10/06/2022
4. Academic year: 2021-2022

Course-Level Learning Outcomes

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

- a. *The student will Learn the basic operating principles of unitary equipment*
- b. *The student will demonstrate proper maintenance procedures of different types of unitary unitary equipment.*
- c. *The student will demonstrate the appropriate techniques necessary to handle refrigerant so as not to endanger the student of the environment.*
- d. *The student will demonstrate the ability to read and understand standard electrical schematic diagrams with an eye towards troubleshooting problems.*
- e. *The student will demonstrate the uses and upkeep of basic HVACR tools.*

2. Which CLOs were addressed for the academic year?

The student will demonstrate proper maintenance procedures of different types of unitary equipment

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

The student will demonstrate the ability to read and understand electrical schematic diagrams with an eye towards troubleshooting problems

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

The students demonstrate their ability to apply critical thinking as they use a schematic to find the trouble in a unit.

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 by written tests scoring their knowledge of the sub systems that make up an icemaker or other unitary product. .</i></p>	
<p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p>	<p>Yes <i>Students are assessed in lab for their work ethic, Their ability to work with other students to solve problems and to finish projects that were started.</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 on all tests, attendance and lab work.</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 <i>Class not offered</i></p>	<p>Spring <i>4 students assessed 4 students successful (100% success rate)</i></p>
<p>Academic Year Total (add the numbers from Fall and Spring)</p>	<p><i>4 students assessed 4 successful (100% success rate)</i></p>	

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?

Motivated students plus an excellent instructor led to every student finishing with an "A" all students exhibited an excellent work ethic. All have since gone to work in the HVAC/R field While completing their degrees

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

Explain.

The HVAC/R department must continue to challenge these students with lab projects and technical training suitable to motivate them to go out and become employed in the field.