

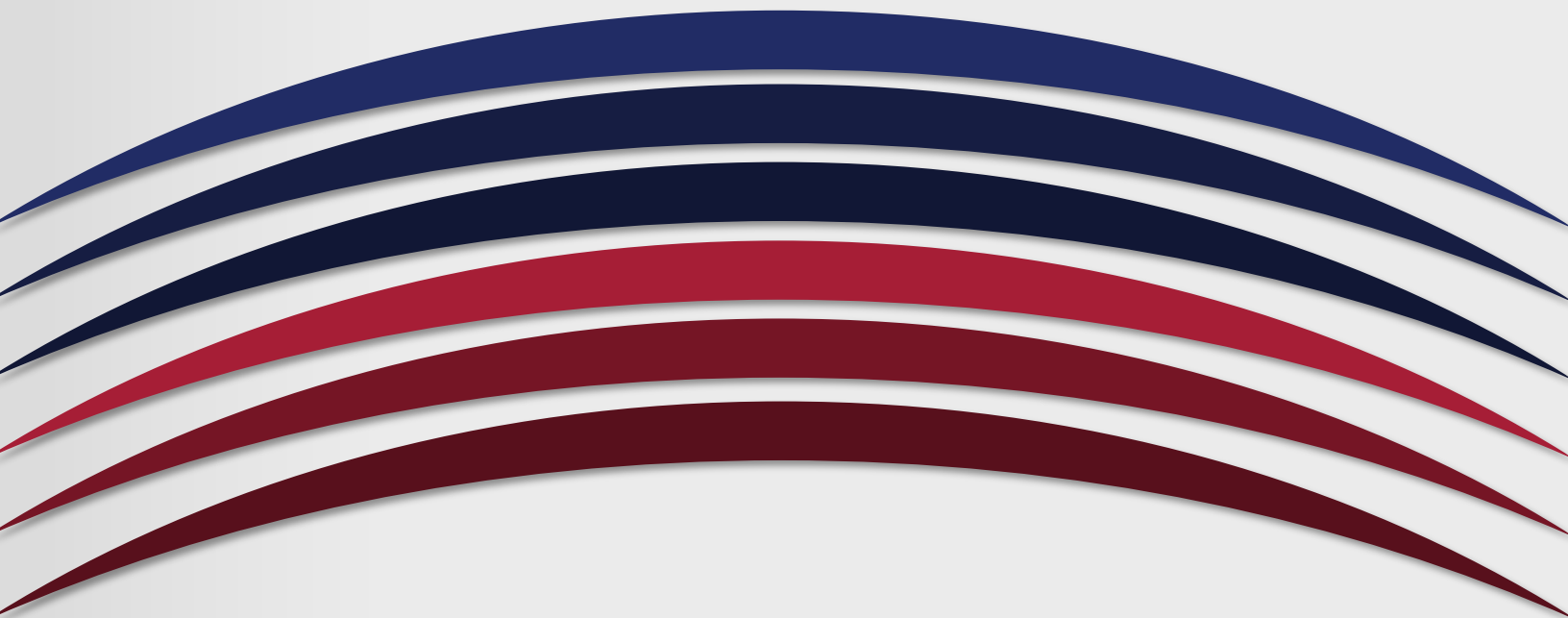
UNIVERSITY OF ARKANSAS
PULASKI TECH

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: Boiler Operations
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. *Learn the basic construction of a modern boiler.*
- b. *Learn the internal and external control components of a modern boiler.*
- c. *Become familiar with the operating requirements of a modern boiler.*
- d. *Learn the principles of producing steam.*
- e. *Learn the principles of safe high-pressure boiler operation.*

2. Which CLOs were addressed for the academic year?

Of primary concern for the last year is the internal and external control components of a modern boiler.

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

The internal and external control components are of primary interest in this class and will remain so.

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

The main thrust of this class is to prepare a student to perform on the job training on boilers to obtain their boiler operator' license. As such this class is all about career readiness. .

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 take a series of written tests culminating in a practice operator's exam. Grades are also issued for notes taken while viewing a series of videos, as well as review questions on individual chapters in the test book</i></p> | |
| <p>Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.</p> | | <p>No not at this time.</p> |
| <p>How do you define success for an individual student on the CLO assessment assignment or measure?</p> | <p><i>Student scores 70% or higher on all work required by the instructor, including tests, notes and review questions</i></p> | |
| <p>How do you define success for the course level outcome? What is the benchmark for the Course Level Outcome?</p> | <p><i>70% of students in the course achieve success on the CLO assessment assignment or measure</i></p> | |
| <p>How many students completed the assessment, and how many were successful?</p> | <p>Fall <i>No students enrolled.</i></p> | <p>Spring <i>2 students assessed 2 students successful (100% success rate)</i></p> |
| <p>Academic Year Total (add the numbers from Fall and Spring)</p> | <p><i>2 students assessed 2 successful (100% success rate)</i></p> | |

| | | |
|---|-----|--|
| Was the benchmark/goal for this academic year met? | Yes | |
| Were standardized rubrics, tests, or checklists used? | Yes | |

4. What is your analysis of the findings?

This course is included in the degree plan for an Associates of HVAC/R It is not necessarily needed to operate commercial heating and air equipment but can be beneficial. I believe on the "new" Associate's degree plan it has been eliminated entirely. The students that have taken the course did well.

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

Explain.

We will continue to offer the course as needed so that students with an earlier degree plan can take it and complete their courses of study.