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: *Heating Systems*

2. Name of individual(s) compiling report: *Robert Dixon*

3. Date of submission: *10/03/2022*

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 gas furnace.
b. Learn the internal parts of a modern gas furnace.
c. Become familiar with the requirements for venting and combustion air.
d. Learn the principles of electric heating.
e. Learn the principles of air source and water source heat pumps

2. Which CLOs were addressed for the academic year?

Each of the above CLOs are covered in the class each semester. All are given prominence during different times in the class each semester.

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

Each of the above CLOs will be addressed each semester is class.

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

Students learn the basic structure of a modern furnace by completely disassembling a unit in the lab. This requires that the student use all tools needed to correctly remove parts and reinstall them later, so that the furnace runs when the student is finished.

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.

Assessment Methods- How did you assess student learning (define direct assessment methods used) in relation to the course level outcome being reported? *Note: If more than one assessment method was used, you may insert an additional row.*	*This class meets only in the fall. Students are given written tests over all written material to demonstrate that they have learned the required material.*	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.	***Yes*** *Students were required to participate in a hands-on lab. Students were graded on their participation and on their success in putting the furnace back together.*	***No***
How do you define **success for an individual student on the CLO assessment assignment or measure?**	***Student scores** 70% or higher on written examinations. 70% percent or higher on hands on lab success.*	
How do you define success **for the course level outcome? What is the benchmark for the Course Level Outcome?**	***70% of students in the course achieve success on the CLO assessment assignment or measure***	
How many students completed the assessment, and how many were successful?	***Fall*** *2 students assessed. 2 students were successful.* 100% success rate.	***Spring***
Academic Year Total (add the numbers from Fall and Spring)	*2 students assessed* *2 successful* *(100% success rate)*	
Was the benchmark/goal for this academic year met?	***Yes***	
Were standardized rubrics, tests, or checklists used?	***Yes***	

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5. What is your analysis of the findings? Students enjoy the hands-on portion of the course. This motivates the students to work hard on the written portion of the course. Students in this class are generally motivated because they are getting close to graduating with a TC and going to work.

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

The plan of action is to continue to include as much lab in the course as is practicable. This keeps the energy level high and the students motivated.