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: *Hvac 2304 Residential HVAC*

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

3. Date of submission: *9/30/2022*

4. Academic year: *2021-2022*

Course-Level Learning Outcomes

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

a. The students will demonstrate knowledge of matching equipment to home requirements, local codes and local weather conditions.
b. The student will apply proper installation procedures for residential equipment installations
c. The student will compute the required sizing for gas vent, duct systems and gas piping.
d. The student will recognize the individual parts of the basic system and the code requirements for each parts.
e. 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.
f. 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.

2. Which CLOs were addressed for the academic year?

The student will recognize the individual parts of the basic system and the code requirements for both parts.

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

Although I singled out, in the question above, one of the CLOs specifically, all of these CLOs will be covered each semester the course is offered.

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

Critical thinking is required to make sure that a technically intricate system is installed correctly and that all components perform to the satisfaction of the instructor, or in the future, a home owner.

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.*	*Students took written tests that required them to put down on paper their knowledge of the subject matter.*	
Were indirect assessment methods also used to assess students? If 'yes', please describe the method used.	***Yes*** *Students were required to perform tasks in the lab under observation of the instructor. Certain goals were set by the instructor for the students to meet. In their hands-on work.*	***No***
How do you define **success for an individual student on the CLO assessment assignment or measure?**	A student should have scored *70% or higher on both written work and lab work to have been considered successful.*	
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*** *4 students were assessed 3 were successful. The unsuccessful student had to leave the school with a sever illness.*	***Spring*** *N/A Class is only offered in the fall.*

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Academic Year Total (add the numbers from Fall and Spring)	*4 students assessed* *3 students were successful.* *(78% success rate)*	
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. All students worked together well as a team. The instructor put out clear and concise requirements and helped as the students ran into problems as they progressed.

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

By increasing the use of up to date technology in the class room, Student learning will be enhanced. We are working to integrate hands on learning, and technology to more readily immerse students in the work required.

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