

COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:
 Course Discipline Code and Number: HVA 205
 Course Title: Hydronic Systems
 Division/Department Codes: Vocational Technology/WAF

2. Semester assessment was conducted (check one):
 Fall 2008 ___
 Winter 20___
 Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
 Portfolio
 Standardized test
 Other external certification/licensure exam (specify):
 Survey
 Prompt
 Departmental exam
 Capstone experience (specify):
 Other (specify):

4. Have these tools been used before?
 Yes
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.

5. Indicate the number of students assessed/total number of students enrolled in the course.

All students taking departmental exam were assessed. 15 of 15

6. Describe how students were selected for the assessment.

All students completing the final exam for HVA 205 courses were assessed.

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.

No previous assessment was conducted

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.

A. Identify hydronic systems.

B. Identify hydronic system components.

C. Design a residential hydronic heating system using correct methods.

D. Troubleshoot basic hydronic system components.

3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected.*

Students met the standard of success in all of the above listed outcomes.

COURSE ASSESSMENT REPORT

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment.*
 70% of students will achieve an overall average of 70% or higher on outcome questions.

Percentage of comprehension for objectives 1-4			
1	2	3	4
76%	88%	80%	80%

5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths:

Students were strongest in ability to identify hydronic system components.

Weaknesses:

Outcome 1 question: 21- About open loop system expansion tanks.

Outcome 2 question: 47- About full reset.

Outcome 3 question: 25- About average efficiency.

Outcome 4 question: 45- About reset ratio.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.

To achieve a higher level of student comprehension of reset controllers and expansion tank requirements, and spend more time on the subject matter with visual aids.

Question 25 needs to be re-worded to be specific to natural gas.

2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

- a. Outcomes/Assessments on the Master Syllabus

Change/rationale: **Reword the question.**

- b. Objectives/Evaluation on the Master Syllabus

Change/rationale:

- c. Course pre-requisites on the Master Syllabus

Change/rationale:

- d. 1st Day Handouts

Change/rationale:

- e. Course assignments

Change/rationale:

- f. Course materials (check all that apply)

Textbook

Handouts

Other:

- g. Instructional methods

Change/rationale:

COURSE ASSESSMENT REPORT

h. Individual lessons & activities
Change/rationale:

3. What is the timeline for implementing these actions? Fall 2009

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.

The use of a standardized departmental exam made assessing all students equally easy and effective.

2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

3. Which outcomes from the master syllabus have been addressed in this report?

All x Selected

If "All", provide the report date for the next full review:

 2011

If "Selected", provide the report date for remaining outcomes: _____

Submitted by:

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Date: 1-12-09