Faculty are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Collegewide Curriculum Committee.

DEPT. HVAC COURSE NO. 1160

NUMBER OF CREDITS: 2

COURSE TITLE Blue Print Reading for HVAC

CATALOG DESCRIPTION: This course explains the design and construction standards for both commercial and residential plans, symbols, and specifications for the HVAC Trades.

AUDIENCE Persons that would like to become a certified technician in the HVAC/R fields.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area : by meeting the following competencies:
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PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: none

LENGTH OF COURSE 1 Semester

THIS COURSE IS USUALLY OFFERED:
Every other year D fall X spring D summer D undetermined D

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: Math, Reading, Design

2) THINKING SKILLS: Problem Solving

3) COMMUNICATIONS SKILLS: Must communicate well with others and communicate problems well that will arise in the field.

4) HUMAN DIVERSITY:

TOPICS TO BE COVERED: This course will cover specifications and designs used in the reading and drawing of blueprints for the HVAC industry.
LIST OF EXPECTED COURSE OUTCOMES:
1. The student will identify different math formulas for the HVAC field
2. The student will identify symbols and abbreviations
3. The student will draw ductwork layouts
4. The student will identify construction materials
5. The student will define proper linear measurements
6. The student will draw construction elevations, oblique, isometric drawings

LEARNING/TEACHING TECHNIQUES used in the course are:
X Collaborative Learning
D Student Presentations
X Creative Projects
X Lecture
X Demonstrations
D Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
X Reading
D Oral Presentations
X Textbook Problems
X Group Problems
D Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES: The student at the end of the semester will be able to read and draw the different types of prints. Student will be able to apply the drawings in the construction of residential and commercial applications.

STUDENTS NEEDING ACCOMMODATIONS FOR A DISABILITY MUST NOTIFY THE INSTRUCTOR.

This document can be made available in alternative format, allowing ample time for adaptations, to individuals with disabilities by calling Diane Graber at 800-657-3966. For TTY Communications call the Minnesota Relay Service at 800-627-3529. An Affirmative Action Equal Opportunity Educator/Employer. ADA Compliant.

The information in this course outline is subject to revision.