

Course Syllabus

Wayne County Community College District

HVA 113 Refrigeration: Code & Regs

CREDIT HOURS: 2.00

CONTACT HOURS: 30.00

COURSE DESCRIPTION:

Prereq: HVA 101

This course provides the student with the refrigeration safety code of the American Standard Association as approved by the American Society of Heating, Refrigerating and Air Conditioning Engineers. The topics considered are scope and purpose, derivation, refrigeration system classification, refrigerant, classification, system required for various establishments, installation requirements, piping valves, fitting and related parts and safety devices.

EXPECTED COMPETENCIES

Upon successful completion of this course, the student will:

1. Understand the laws and codes that apply to the design, service and installation of air conditioning and refrigeration systems within the state of Michigan
2. Understand and apply national and local codes from the American Standard Association of Heating, Refrigeration, and Air conditioning Engineers

ASSESSMENT METHODS

Student performance may be assessed by examination, quizzes, case studies, oral reports, group discussion, written reports or presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE

90%-100% = A

80%-89.9%= B

70%-79.9%= C

60%-69.9%= D

<60% = E