Wayne County Community College District

COURSE SYLLABUS

HVA 113 Refrigeration Code and Regulations

CREDIT HOURS: 2.00

CONTACT HOURS: 30.00

COURSE DESCRIPTION:
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, refrigerant, classification, system required for various establishments, installation requirements, piping valves, fitting and related parts and safety devices.

PREREQUISITES: HVA 101, HVA 102 or HVA 103

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 conversation, group discussion, oral 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