



Wayne County Community College District

COURSE SYLLABUS

HVA 108 Refrigeration Controls

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION: This course covers commercial refrigeration controls, and needed safety devices - how they operate, how they are wired and their uses. Also included are the use and functions of schematics diagrams, pictorial diagrams and control operations. This course provides training necessary for the EPA certification exam.

PREREQUISITES: HVA 100

COREQUISITES: HVA103

EXPECTED COMPETENCIES:

Upon completion of this course, the student will be familiar with:

- To understand the basic electric theory and learn electric circuits and their types: series, parallel, inductive, and capacitive circuits
- To develop control circuits using control components assuming students have no prior knowledge of control systems
- To understand the operation of the manufacturer's control schematics so the student will be able to understand how a control system operates and how to troubleshoot the system

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