



# Wayne County Community College District

## COURSE SYLLABUS

### HVA 118 Codes and Regulations

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

#### **COURSE DESCRIPTION:**

This course provides the student with the Heating and Refrigeration Safety Code of the American Standard Association as approved by the American Society of Heating, Refrigerating and Air Conditioning Engineers and the cities of Detroit and Dearborn. This course covers scope and purpose, derivation, refrigerant, classification, systems required for various establishments, installation requirements, piping valves, fittings and related parts and safety devices.

**PREREQUISITES:** HVA 100, HVA 106

#### **EXPECTED COMPETENCIES:**

Upon successful completion of the course, the student will:

- Understand the laws and codes that apply to the design, service and installation of air conditioning and refrigeration systems within the state of Michigan
- 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