



Wayne County Community College District

COURSE SYLLABUS

HVA 105 Air Conditioning II

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION: This course covers advanced design, application installation and servicing of commercial air conditioning units. In this course, emphasis will be including testing, starting, balancing and troubleshooting cooling systems, as well as the use and chemical properties of all refrigerants. This course is in a Fast-Track format with HVA104.

PREREQUISITES: HVA 101, HVA 104

EXPECTED COMPETENCIES:

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

- Demonstrate installation and servicing of various types of air commercial/industrial conditioning units
- Demonstrate field troubleshooting of various types of air commercial/industrial conditioning units
- Identify and demonstrate competency with commercial/industrial system components and wiring diagrams

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