Wayne County Community College District

COURSE SYLLABUS

AUT 109 - Automotive Climate Systems

CREDIT HOURS: 3.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:
This course covers the theory and operating principles which leads to servicing and charging of climate control units on actual vehicles. Course topics include troubleshooting techniques, recovery, and recycling processes.

PREREQUISITES: YAATC Program Course – Program Approval Required

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:
- Demonstrate knowledge of the theory and operation principles of automotive air-conditioning and heating systems.
- Demonstrate theory ability to diagnose, disassemble, repair and overhaul air-conditioning and heating systems.
- Perform hands on maintenance and repair of serviceable air-conditioning and heating systems.
- Demonstrate the ability to diagnose air-conditioning and heating problems.
- Achieve competency level to pass the State and ASE exam

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