



Wayne County Community College District

COURSE SYLLABUS

AUT 101 Automotive Fundamentals

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

Automotive Fundamentals is an introduction to the automotive industry and the basic components of the automobile, including their functions and maintenance requirements. This course includes projects involving components, the use of tools, instrumentation and service problems. Course topics will focus on preventive maintenance and “driver mechanics.”

PREREQUISITE: NONE

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. Understand the history of the automobile and industry.
2. Understand the regulations in automotive repair industry.
3. Identify the major areas of the automobile.
4. Identify tools associated with the automotive repair industry.
5. Demonstrate proper safety procedures.
6. Understand the internal combustion engine, its parts and operation.
7. Become familiar with the chassis and drive train, their function and operation.
8. Develop an understanding of the relationship between the components of the automobile and society.

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