



Wayne County Community College District

COURSE SYLLABUS

AUT 153 Introduction to Gaseous Fuels

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:

This course is designed to help prepare the student to enter the auto repair and service industry in the area of alternative fuels and advanced technology vehicles. It is an intensive study of three gaseous fuels - natural gas, propane and hydrogen. Theory, application, installation, diagnosis and safety regulations will be covered.

PREREQUISITES: AUT 117

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

- Describe how fuel compositional variables affect engine performance
- Interpret test data to determine if fuel meets required specifications and regulations
- Determine the purpose and mode of action of performance additives
- List the important processes in motor fuel
- Communicate effectively with others working with gaseous fuels

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