



Wayne County Community College District

COURSE SYLLABUS

AUT 154 Introduction to Hybrid Fuel Technology

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:

This course covers the fundamentals of hybrid vehicle technology. The course is intended to give the student an understanding of the types of hybrid vehicles, hybrid vehicle components, how hybrid vehicles operate and basic service procedures; this will enable the student to obtain employment as an advanced technology vehicle technician.

PREREQUISITES: AUT 117

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

- Demonstrate knowledge of safety in all areas of hybrid vehicles;
- Understand principles of operation of hybrid vehicles systems;
- Identify and list various hybrid vehicles components and their relationship to hybrid system operation; and
- Describe and identify different types of hybrid vehicles.

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