Course Prefix and Number: AUT 112       Credits: 3

Course Title: Automotive Engines II

Course Description: Continues study of the analysis of power, cylinder condition, valves, and bearings in the automotive engine to establish the present condition, repairs, or adjustments. Part II of II. Prerequisite: AUT 111. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

General Course Purpose: Identify, care, and use of hand tools, power tools, and precision measuring equipment. Discuss the basic theory, operation, and repair of internal combustion engines. Safety will be emphasized.

Course Prerequisites and Co-requisites:
Prerequisite: AUT 111

Course Objectives: Upon completing the course, the student will be able to
a. Identify various engine failures and the causes;
b. Demonstrate basic tests to check the mechanical condition of the engine;
c. Demonstrate basic tests of the engine cooling system;
d. Demonstrate basic tests of the engines lubrication system;
e. Demonstrate various internal maintenance procedures related to the engine; and
f. Demonstrate various in-vehicle repairs of an engine.

Major Topics to Be Included:
a. Engine failures
b. Basic engine tests
c. Coding system tests
d. Lubrication system tests
e. In-vehicle repairs
f. Periodic maintenance

Effective Date of Course Content Summary: February 9, 2009