

Date Prepared: 01/08/05

COURSE OUTLINE

_____New

___X___Revised

Effective Date: __08/21/01

COURSE PREFIX NUMBER: AUT 112

CREDIT HOURS: 3

COURSE TITLE: Automotive Engines II

COURSE PREREQUISITES: AUT 111 Automotive Engines I

COURSE DESCRIPTION:

Presents analysis of power, cylinder condition, valves and bearings in the automotive engine to establish present condition, repairs or adjustments. Lecture 2 hours. Laboratory 3 hours. Total 6 hours per week.

CONTENTS: (Major Headings)

- a. Engine failures
- b. Basic engine tests
- c. Coding system tests
- d. Lubrication system tests
- e. In-vehicle repairs
- f. Periodic maintenance

GENERAL COURSE OBJECTIVES:

Upon successful completion of the course the student will be able to:

- a. Identify various engine failures and the causes
- b. Perform basic tests to check the mechanical condition of the engine
- c. Perform basic tests of the engine cooling system
- d. Perform basic tests of the engines lubrication system
- e. Perform various internal maintenance procedures related to the engine
- f. Perform various in-vehicle repairs of an engine