

AUT 112 : BASIC ENGINE PERFORMANCE I

Transcript title

Basic Engine Performance I

Credits

1

Grading mode

Standard letter grades

Total contact hours

20

Other hours

20

Prerequisites

AUT 101, AUT 106, AUT 107, AUT 110 and AUT 115.

Course Description

Designed to study and apply the theory, operation, diagnoses and repair of the points-type ignition and carburetion systems as they were used in vehicles of the past.

Course learning outcomes

1. Describe the theory and operation of the non-electronic automotive ignition systems.
2. Diagnose and repair problems related to non-electronic ignition systems.
3. Perform adjustments to automotive engines that use non-electronic ignition systems, such as distributor dwell and ignition timing.
4. Describe and practice safety procedures while working in an automotive shop environment.

Content outline

1. Ignition system: parts and operation (primary circuit)
2. Dwell meter, revolutions per minute (RPM) meter, timing light, vacuum pump, distributor machine, ohmmeter
3. Ignition parts and operation
4. Ignition parts and operation: advance mechanisms
5. Ignition system: scope pattern

Required materials

Requires special gear, see syllabus for details.