Dept / Course#: AUTO 118

Clock Hours: 48

Course Title: Brakes 1

Student Outcomes: Student will demonstrate an understanding of basic hydraulic brake systems. Student will be able to diagnose and repair a typical brake system malfunction. Student will be able to perform a typical disc or drum brake job.

Course Description: Introduction to hydraulic brake systems and components operation, diagnosis and repair. Extensive training on the operation, diagnosis and repair of a typical disc or drum brake systems. Training on typical brake system repairs.


Student Performance Objectives (Course competencies): Given a specific task list, student will be able to perform all required NATEF tasks at industry standards in an acceptable time frame.

Methods Of Instruction: Power Point presentation, overheads, CD Rom training programs, demonstration on vehicles and equipment, videos, research projects, peer tutoring, live shop work.

Student Assignments/Requirements: Competency in specific NATEF tasks. Attendance of 90% or better is a required task. Refer to grading standards.

Evaluation and Grading Standards:

Competency in specific NATEF tasks. Tests are ASE style in format. Attendance of 90% or better is a required task.

Students will be required to complete assigned exercises. Some exercises may be completed at the job site if signed by a supervisor.

1/3 grade = Attendance
1/3 grade = Tests
1/3 grade = Exercises

90 - 100% = A
80 - 89% = B
70 - 79% = C
60 - 69% = D
59 or below = F
**REQUIRED STUDENT SUPPLIES & MATERIALS:**

Required text, appropriate shop clothing, safety glasses.

**ADDITIONAL INSTRUCTIONAL RESOURCES:**

In program library, ITRC, Internet, advisory committee, program vehicles, mach-ups, customer vehicles.