Dept / Course# : AUTO 220

Clock Hours : 120

Course Title : Steering/Suspension

Student Outcomes : Student will be able to accurately check all front end components for excessive wear. Student will be able accurately diagnose common steering and suspension complaints. Student will be able to perform a four-wheel alignment. Student will be time efficient in all activities.

Course Description : This course will focus on fundamentals of suspension and steering including four wheel laser alignment.

Course Outline: Steering and suspension system theory. Tire and wheel review. Individual component testing. Four-wheel alignment theory and practice.

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 : Demonstrations on vehicle and equipment, Power Point presentation, videos, overheads, CDRom training program, independent and group 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 policy.

Evaluation and Grading Standards: Competency in specific NATEF tasks. Tests are typically ASE style in format. Attendance of 90% or better is a required task. Employability grade will include appropriate dress, attendance, tool plan, attitude, safety, etc...

1/4 grade = Attendance
1/4 grade = Tests
1/4 grade = Exercises
1/4 grade = Employability

90 - 100% = A
80 - 89% = B
70 - 79% = C
60 - 69% = D
59 or below = F

REQUIRED STUDENT SUPPLIES & MATERIALS: Required text, approved shop uniform, approved eye protection

ADDITIONAL INSTRUCTIONAL RESOURCES: In program library, ITRC, Internet, advisory committee.