J. Sargeant Reynolds Community College
Course Content Summary

Course Prefix and Number: DSL 155 Credits: 3

Course Title: Heavy Duty Suspension and Service

Course Description (including lecture hours, lab hours, total contacts)

Examines suspensions used on heavy-duty trucks and teaches preventative maintenance and service procedures. Includes nomenclature, theory of operation and services, and repair of heavy-duty truck suspension systems including tires and wheels and steering gear and connecting linkage. Provides opportunity for preventative maintenance inspections and service procedures on heavy-duty vehicles. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

Course Prerequisites/Corequisites (Entry-level competencies required for enrollment)

None

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

a. Identify components of front and rear suspension and steering systems
b. Identify and repair problems in front suspension and steering systems
c. Identify and repair problems in rear suspension system
d. Perform proper preventive maintenance and service procedures

Major Topics to be Included

a. Front suspensions, types and functions
b. Rear suspensions, types and functions
c. Proper service and preventive maintenance

Effective Date of Course Content Summary (Month, Date Year): 2/12/09