

**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