Course Prefix and Number: DSL 160  
Credits: 3

Course Title: Air Brake Systems

Course Description (including lecture hours, lab hours, total contacts)
Studies the basic operational theory of pneumatic and air brake systems as used in heavy-duty and public transportation vehicles. Covers various air control valves, test system components, and advanced air system schematics. Teaches proper service and preventative maintenance of systems. 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 brake systems and make effective repairs  
b. Identify and properly work with test system components  
c. Perform proper service and preventive maintenance procedures

Major Topics to be Included

a. Fundamentals of air brakes  
b. Test system components  
c. Service and preventive maintenance procedures

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