Course Prefix and Number: DSL 160  
Credits: 3

Course Title: Air Brake Systems

Course Description: 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.

General Course Purpose:

Course Prerequisites and Co-requisites: None

Student Learning Outcomes:
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; and
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

Date Created/Updated (Month, Day, and Year): January 24, 2019