Course Prefix and Number: DSL 154  
Course Title: Power Trains II  
Credits: 3  

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

Focuses on manual, hydrostatic, and heavy-duty automatic transmissions. Examines various types of power trains and their components, such as multidisc clutch, multi-speed transmissions, torques, drive lines, and differentials. Includes disassembly and assembly of various components. Part II of II. 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 transmission types and perform maintenance  
b. Identify torque types and perform maintenance and repairs  
c. Perform proper service and maintenance procedures

Major Topics to be Included

a. Hydrostatic and automatic heavy-duty transmissions  
b. Torques  
c. Maintenance and procedures

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