

Minnesota State College Southeast

DESL 1220: Diesel Chassis/Suspension/Steering

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the identification, inspection techniques, repair and adjustment procedures, and alignment checks of the components associated with the variety of frames and suspensions common to heavy trucks. Students will be instructed in identifying the various types of truck steering systems and components. The students learn and practice inspection, disassembly, reassembly and alignment procedures. Manual and power steering sectors and pumps are included. (Prerequisites: AUTO1105) (3 credits: 1 lecture/2 lab)

B. COURSE EFFECTIVE DATES: 11/26/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Suspension
2. Steering
3. Frame/Chassis
4. Cab

D. LEARNING OUTCOMES (General)

1. Describe, identify, inspect, and maintain air ride, various spring manufactures components, operation, alignments, removal and replacement of various suspension components
2. Describe, identify, inspect, and maintain various types of components including alignment, operation, removal and replacement related to the steering system components, including mounting various types of tires and identifying tire wear problems
3. Describe, identify and inspect frame and understand various frame repair procedures
4. Describe, identify, inspect, and maintain associated components located in the cab

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted