

Minnesota State College Southeast

DESL 1241: Diesel Preventive Maintenance

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the importance of proper procedures of preventive maintenance and inspection schedules used for various types of heavy trucks and their applications. Students learn to perform inspections according to the standard of the Department of Transportation (D.O.T.). Prerequisites: N/A (3 credits: 1 lecture/2 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Safety
2. Inspections
3. Maintenance
4. Preventive Maintenance

D. LEARNING OUTCOMES (General)

1. Identify preventive maintenance intervals, applications and purposes
2. Develop and perform routine inspections
3. Identify, describe and perform trailer brake, air, electrical, frame, suspension and body inspections
4. Identify, describe and perform inspections/maintenance related to drivetrain system
5. Identify, describe and perform inspections/maintenance related to engine systems
6. Identify, describe and perform inspections/maintenance related to steering, suspension and brake systems
7. Identify, describe and perform inspections/maintenance related to cab inspections
8. Identify, describe and perform safety equipment inspections

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted