A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 1
Lab Hours/Week: *.*
Prerequisites: None
MnTC Goals: None

Electronics for Truck Driving will include the basic use of Electronic logs, On-board recording devices, GPS, Qualcomm and PeopleNet, and Rand McNally electronic mapping.

B. COURSE EFFECTIVE DATES: 01/09/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction and use of electronic logging
2. Data input and editing of electronic logs
3. Multiday editing
4. Strategic use of on-board recording devices
5. The insurance industry and on-board recorders
6. Use and implementation of GPS
7. Intranet based communication systems
8. Combining trip planning with GPS
9. Combining trip planning with electronic logging

D. LEARNING OUTCOMES (General)

1. Students will recognize the E-log as an industry standard.
2. Students will input data into an E-log device.
3. Students will combine fundamentals of paper logging as applied to electronic logging.
4. Students will recognize the importance of on-board recording during an accident.
5. Students will understand the insurance liabilities and the trucking industry.
6. Students will understand the basic fundamentals of use for a GPS unit.
7. Students will input data into a GPS unit.
8. Students will edit GPS data.
9. Students will plan point to point trips utilizing GPS.
10. Students will send and receive messages through Qualcomm/PeopleNet.
11. Students will extract load data through Qualcomm/PeopleNet.
12. Students will extract trip planning directions through Qualcomm/PeopleNet.
13. Students will learn how to send professional text messages.
14. Students will learn how to send professional e-mails.
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   HCC COMPETENCIES MET:
   Communicating Clearly and Effectively

   STUDENT CONTRIBUTIONS:
   Students are expected to attend class sessions, participate in activities and discussions, listen to and follow directions, complete assignments in a timely manner, and request assistance when needed. Students should expect to spend two to four hours per week preparing for class.

   AASC APPROVAL DATE: February 16, 2017
   REVIEW DATE: February 2022