**A. Course Description**

- **Credits:** 3.00
- **Lecture Hours/Week:** 1.00
- **Lab Hours/Week:** 2.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course covers the basic purpose and function of the various truck systems. Battery, Starting and Charging systems will be covered. Electrical theory, application, and diagnosis using specialized testing equipment will be used. Prerequisites: None

**B. Course Effective Dates:** 12/9/19 – Present

**C. Outline of Major Content Areas**

As noted on course syllabus

**D. Learning Outcomes**

1. Demonstrate fundamental professionalism and safety practices.
2. Demonstrate the ability to diagnose, remove, and repair electrical components
3. Describe the purpose and application of batteries.
4. Identify causes of charging system failures.
5. Identify causes of cranking system failures

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

**F. Learner Outcomes Assessment**

As noted on course syllabus

**G. Special Information**

None noted