A. Course Description

- Credits: 2.00
- Lecture Hours/Week: 2.00
- Lab Hours/Week: 0.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

General overview on the basic fundamentals of equipment used in Transmission and Distribution system protection. The objective of this course is to understand how protection systems function, how they protect the general public and utility employees, reduce damage to electrical equipment, and decrease duration and number of sustained outages.

B. Course Effective Dates: 1/9/17 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Identify specific electrical protective equipment used on transmission and distribution equipment,
2. Explain the use of each protective device and where it would be used.
3. Demonstrate the use of protective devices for personal protection during live line maintenance.
4. Explain how protective devices reduce outages, duration of outages, and amount of system damage.
5. Define system coordination and how devices work together.
6. Demonstrate trouble shooting and system restoration.

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted