A. Course Description

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

This course covers the practices and techniques used in cable and fault locating. The student will understand and demonstrate all safety practices in the application and operation involved with the equipment used in this course. Prerequisites: None

B. Course Effective Dates: 3/22/98 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. apply URD, NESC, ASTM tested and inspected grounds in field situations
2. apply all accepted URD work rule regulations
3. demonstrate use of UD symbols and maps
4. demonstrate use of acoustical listening devices
5. demonstrate use of cable burner
6. demonstrate use of cable hy-pot
7. demonstrate use of cable locator
8. demonstrate use of cable thumper
9. demonstrate use of high voltage radar
10. demonstrate use of low voltage radar
11. demonstrate use of megger for cable insulation tester
12. describe three more of today's used locating devices
13. identify and isolate cables for testing
14. list all safety procedures for use of UD testing equipment
15. test cables for de-energization
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted