

# Dakota County Technical College

## ELLW 1172: Line Construction and Maintenance B

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the continuation of line construction and maintenance. The application of ties, standard and preformed with sticks and live line applications, is covered. The use of protective coverup materials for lineman and support structures is covered. The transferring and handling of energized conductors using temporary supports, etc. are also covered. Prerequisites: Concurrent enrollment in ELLW1170

**B. COURSE EFFECTIVE DATES:** 03/21/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. apply aerial device maintenance and trouble repair procedures
2. apply Baker Board use
3. apply correct and safe usage of hot line tools and equipment
4. apply hot stick maintenance and trouble repair procedures
5. apply pole top rescue with on pole and aerial device procedures
6. apply safety for winch use operations
7. apply use of hot line link sticks
8. apply use of hot line rigging
9. apply work area safety and inspection procedures
10. demonstrate line materials and equipment safety in processes of retirement
11. demonstrate working processes in ACSR T2 cable
12. identify boom lifting and use safety capacities

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted