

LNWK 1291
SPECIAL TOPICS IN LINEWORKER

Western Texas College

- I. Course Description
 - A. Topics address recently-identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.
- II. Basic Program Requirements
 - A. Safety glasses
 - B. Work boots
 - C. Leather work gloves
 - D. Long sleeve shirt
 - E. Notebook and pen
 - F. Proof of personal health/accident insurance is required.
 - G. Possible background check
 - H. Random drug testing will be performed on all Electrical Lineman Technology students.
- III. Course Objectives
 - A. Upon completion of the class each student will be able to learn outcomes and objectives that are determined by local occupational need and business and industry trends.
- IV. Student Learning Outcomes
 - A. Learning outcomes/objectives are determined by local occupational need and business and industry trends.
- V. Outcome Assessment Methods
 - A. Written examinations, worksheets, scenarios, and group discussions
- VI. Grading
 - A. Standard grading system is as follows:

▪ A	90-100	Superior Achievement
▪ B	80-89	Excellent Achievement
▪ C	70-79	Average Achievement
▪ D	60-69	Passing Achievement
▪ F	Below 60	Failing
 - B. There will be several exams spaced throughout the semester. The exam questions may include any combination of the following:
 - True/False
 - Multiple choice
 - Fill in the blank
 - Short answer
- VII. Student Attendance
 - A. Class roll will be taken since regular and punctual attendance is expected for all designated class meeting time

- B. The attendance policy established by the College and set out in the current catalog will be applied in determining student attendance. *This includes the reporting of three hours of unexcused absences to the Counseling Center by the instructor, and an administrative drop for repeated attendance policy violations.*
- C. Students are encouraged to coordinate anticipated absences with the instructor and/or to advise the Counseling Center of any anticipated longer-term absences from class
- D. Please keep in mind that this course contains a significant number of graded assignments
- E. Excessive absences will result in the failure to complete one or more of these activities and therefore result in the loss of credit as described above.
- F. PLEASE NOTE:
 - Every three unexcused absences will result in the loss (drop) of a letter grade, regardless of a student's course average.
 - Tardies will be treated the same, with five tardies being equivalent to a loss (drop) in a letter grade.

VIII. Conduct and Academic Dishonesty

- A. This course will be taught in a college classroom environment. Students will come to class prepared to participate in the learning process and that part of this preparation will include the demonstration of mature and purposeful behavior. Therefore, activities such as sleeping in class, interruptive talking with fellow students (including cell phones), rudeness to fellow students, overt tobacco use or other types of inappropriate behavior (including cheating and plagiarism) will not be tolerated, and may be dealt with by instructor-initiated student withdrawal from class. College policy prohibits the consumption of drinks and snacks in the classroom.

IX. Additional Requirements

- A. Complete all course work with at least a score of 85, and pass 50% of the scheduled tests.
- B. Complete each level with a passing evaluation.

X. Required Books (Please note that these books will be used in several different classes.)

TITLE	AUTHOR
Lineman's + Cableman's Handbook	ISBN 978-0-07-146789-6
Basic Electric Power Distribution	Alexander Publishing
SPECIFICATIONS AND DRAWINGS FOR 12.47/7.2 KV LINE CONSTRUCTION	Alexander Publishing
TRANSFORMATION FOR LINEWORKERS	Alexander Publishing
Distribution Transformer Handbook	Alexander Publishing
Pocket Guide to Watthour Meters	Alexander Publishing

XI. Course Schedule

Course Content
<u>Topic:</u> Power Outages Lab 1: Introduction to Outside Lab
<u>Topic:</u> Voltage Complaints on Distribution Systems Lab 2: Outside lab
<u>Topic:</u> Safety Grounds Lab 3: Outside lab
<u>Topic:</u> Backfeed Lab 4: Outside lab
<u>Topic:</u> Induced Voltage Lab 5: Outside lab
<u>Topic:</u> Induced Voltage Lab 6: Outside lab
<u>Topic:</u> Mid-Course Review Intensive Lab 7: Outside lab Mid-Course Review Intensive
<u>Topic:</u> Causes of Outages Lab 8: Outside lab
<u>Topic:</u> Outage Troubleshooting Lab #10 Outside lab
<u>Topic:</u> Grounding Procedures Lab #11 Outside lab

<u>Topic:</u> Analyzing Voltage Complaints Lab #12 Outside lab

<u>Topic:</u> Review of Outage Troubleshooting Lab #13 Outside lab

<u>Topic:</u> Safety Review Lab #14 Outside lab
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<u>Topic:</u> Course Review Intensive Lab 15: Lab Review Intensive

Last Modified: August 24, 2016