

**LNWK 1311
CLIMBING SKILLS**

Western Texas College

- I. Basic Course Information - Theory and application of pole climbing. Includes safety, climbing techniques, tool inspection, poles inspection, personal protective equipment and fall protection.
- II. Student Learning Outcomes - Identify hazards on and around poles; demonstrate required safety; and inspect and use personal protective equipment and climbing equipment. Inspect and test wood poles; demonstrate climbing techniques.
- III. Major Course Requirements
 - A. Final Exam.
- IV. Information on Books and Other Course Materials
 - A. Book: Lineman & Cableman’s Handbook – ISBN 978-0-07-146789-6
 - B. Book: Distribution Transformer Handbook – Alexander Publishing
 - C. Book: Basic Electrical Power Distribution – A. Pansini
 - D. Book: Safe Work Practices – Alexander Publishing
- V. Other Policies, Procedures and Important Dates are available in the [Catalog](#)
- VI. Course Organization and Schedule
 - A. Weekly Course Schedule

WEEK	ACTIVITIES	ASSIGNMENTS/TESTS
Week 1	<u>Topic</u> : Climbing Basics Lab 1: Introduction to Outside Lab 1-5 p.m.	Assigned Readings
Week 2	<u>Topic</u> : Climbing Basics, including safety, tool and poles inspection Lab 2: Outside lab - 1-5 pm	Assigned Readings
Week 3	<u>Topic</u> : Climbing Basics, including personal protective equipments, fall arrest, etc. Lab 3: Outside lab - 1-5 pm	Assigned Readings Short Paper: Summary of Climbing Basics
Week 4	Topic: Tool Inspection and Related Lab 4: Outside lab - 1-5 pm	Exam on material - Weeks 1-3 Lab Exam on Weeks 1-3
Week 5	Topic: Poles Inspection/Fall Protection Lab 5: Outside lab - 1-5 pm	Assigned Readings
Week 6	Topic: Body Rescue Lab 6: Outside lab - 1-5 pm	Assigned Readings
Week 7	Topic: Body Rescue (continued) Lab 7: Outside lab - 1-5 pm	Assigned Readings Short Paper: Summary of

		Tools and Poles Inspection/Fall Protection
Week 8	Topic: OSHA Rules and Regulations/ Course Safety Review Lab 8: Outside lab - 1-5 pm	Exam on material – Weeks 5-7 Lab Exam on Weeks 5-7
Week 9	Topic: System Generation and Distribution Flow Lab #9 Outside lab - 1-5 pm	Assigned Readings Quiz: OSHA Rules and Regulations
Week 10	Topic: Equipment, Materials and Specifications Lab #10 Outside lab - 1-5 pm	Assigned Readings
Week 11	Topic: Micro Perspective of Electric Systems Lab #11 Outside lab - 1-5 pm	Exam on material – Weeks 1-6 Lab Exam on Weeks 1-6
Week 12	Topic: Relationship Between Voltage, Current and Resistance Lab #12 Outside lab - 1-5 pm	Assigned Readings
Week 13	Topic: High Voltage Safety Lab #13 Outside lab - 1-5 pm.	Assigned Readings
Week 14	Topic: Course Review Intensive Lab 14: Lab Review Intensive	Final Examination Lab Final Examination

Disclaimer: Schedule and content is subject to change at the instructor's discretion.

Class/Lab Assignments	60%
Exams	20%
Final Exam	20%

Last Modified: August 19, 2015