

**SOUTH PLAINS COLLEGE
COURSE SYLLABUS**

**Lubbock Technology Center
Fall 2023**

COURSE TITLE: **ELPT 1357 INDUSTRIAL WIRING**
INSTRUCTOR: Diana Malone
OFFICE LOCATION: LBC 125K
PHONE/E-MAIL: 806-716-2424 / dmalone@southplainscollege.edu
OFFICE HOURS: As posted

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

Course Description: This course provides instruction in wiring methods used for industrial installations.

Course Learning Outcomes: The goals/objectives of this course are for the student to be able to: Interpret electrical blueprints/drawings. Compute circuit sizes and overcurrent protection for the installation of branch circuits, feeders, and service entrance conductors. Explain the proper installation of wiring devices according to electrical codes. Demonstrate proper grounding methods. Identify industrial wiring methods including conduit bending.

Course Competencies: Upon successful completion of this course, each student will have demonstrated through comprehensive examinations, with a score of 70% or better, a competent understanding of: Electrical wiring methods and codes pertaining to industrial installations.

Academic Integrity: The attempt of any student to present as his or her own work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. If you have a question as to whether you may work with other students on any assignment, ASK YOUR INSTRUCTOR.

Assignment Policy: All required work must be turned in on time in order that the student may benefit from the corrections and study for future examinations. Assigned outside work is DUE ON THE CLASS PERIOD ASSIGNED. The instructor has sole discretion as to whether late work is acceptable.

Attendance Policy: **Students are expected to attend all classes in order to be successful in a course.** The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus. **Students with four (4) or more absences MUST contact their instructor.** When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. **Students with illness related or other absences must communicate with the instructor for those absences to be excused.**

SPECIFIC COURSE/INSTRUCTOR REQUIREMENTS:

Commercial and Industrial Wiring
2nd Edition © 2017 ISBN: 978-0-8269-2077-5 Author(s): Randy Barnett

Electricians Guide to Conduit Bending 3rd Edition
Publisher: Coxco: 1-800-257-0941 www.coxco.net Author: Richard A. Cox

According to Texas Department of Licensing and Regulation (TDLRL) anyone in the state of Texas that performs electrical work must hold a license. Therefore, all students must apply for and receive an apprentice

license. TDLR's online apprentice application fee cost \$20.00. The website to apply for the application follows:
[TDLR Apprentice Electrician Application](#)

Ideal ½ Conduit Bender Model #74-026

Grading Policy/Procedure: Grades will be determined by averaging scores from three categories.

*Major Exams

**Daily Attendance

***Final Examination

*Make-up tests may be administered at the discretion of the instructor; students are expected to be present and prepared for all announced examinations.

*** Final Examination is required for all students.

Special Requirements: Safety Policy. Students should adhere to safety standards established in the SPC Student Handbook. Electrical energy can be potentially lethal. **Students will adhere to the safety policies set forth by the instructor to avoid any electrical contact.** Further, chemical hazards and appropriate MSDS safety practices will be covered by the instructor during the first class session if potential for exposure exists.

Technology: Students in need of computers for SPC classwork may check out a laptop from the library on the Levelland campus. ELPT students may check these computers out and will be responsible for the care and return of these units.

Statements: Statements can be found at this site which include:

Disabilities statement

Non-discrimination statement

CARE (Campus Assessment, Response, and Evaluation) statement

Intellectual exchange statement

Concealed carry statement

<https://www.southplainscollege.edu/syllabusstatements/>