

**SOUTH PLAINS COLLEGE
COURSE SYLLABUS**

**Lubbock Technology Center
Spring 2024**

COURSE TITLE: **ELPT 1329** **RESIDENTIAL WIRING**
INSTRUCTOR: Diana Malone
OFFICE LOCATION: LBC 125K
PHONE/E-MAIL: 806-716-2424 / dmalone@southplainscollege.edu
OFFICE HOURS: As posted

Course Description: This course gives instruction in wiring methods for single family, two family, and multi-family dwellings. Topics include wire sizing, installation techniques, and calculations necessary for electrical installations.

Course Learning Outcomes: Students will compute the circuit sizes need for the installation of branch circuits, feeders, and service entrance cables. Explain the proper installation of wiring devices according to electrical codes.

Demonstrate grounding methods. Install ground fault circuits. Identify residential wiring methods.

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: The methods and skills necessary for residential wiring. Calculations used in residential wiring. Codes applicable to residential wiring.

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are expected to attend all classes in order to be successful in a course.** The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.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:

- NFPA 70®, *National Electrical Code*, 2020 edition (NEC Softbound)
- American Technical Publishers Technician Tool Set
ISBN: 978-0-8269-9991-7
- One-and Two-Family Dwelling Electrical Systems
International Association of Electrical Inspectors
ISBN 978-1-890659-82-0

- American Technical Publishers Technician Tool Set
ISBN: 978-0-8269-9991-7
- 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](#)

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/>