

SOUTH PLAINS COLLEGE

Reese Campus

COURSE SYLLABUS

Fall 2020

COURSE TITLE: **ELPT 1225** **NATIONAL ELECTRICAL CODE I**

INSTRUCTOR: Diana Malone

OFFICE LOCATION RC 6

PHONE/E-MAIL: dmalone@southplainscollege.edu 806-716-2424

OFFICE HOURS: As posted

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

Course Description: This course is an introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis is placed on wiring design, protection, methods, and materials; equipment for general use; and basic calculations.

Course Learning Outcomes: The goals/objectives of this course are:

Locate and read the sections in the NEC that pertain to electrical installations.

Calculate the size of conductors, boxes, raceways, and overcurrent protective devices for branch circuits supplying electrical equipment.

Calculate conductors and overcurrent protection, and service equipment as applied to building services.

Compute the size of branch circuits, feeders, and equipment for motors.

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:

Locate and read the sections in the NEC that pertain to electrical installations.

The ability to make calculations as used by the NEC.

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: Due to COVID 19, SPC is more interested in students completing required skills rather than attendance; therefore, Technical Education programs will be focused on knowledge and skills attainment rather than student attendance. In order to be flexible, Technical Education will not have an official attendance policy for Fall 2020.

If a student has not participated in course(s) in any form for a minimum of 3 weeks **without any communication** from the student and is earning a solid "F", an administrative withdraw will be considered. Please contact student encouraging student to initiate a student withdrawal. After an additional week, faculty may initiate an administrative withdrawal.

SPECIFIC COURSE/INSTRUCTOR REQUIREMENTS:

Textbook and Other Materials: National Electric Code, National Fire Protection Association

Interpreting the National Electrical Code, Based On The 2017 National Electric Code

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.

**Attendance is taken daily and accrues three points per class attendance. A total of 100 points is possible.

*** Final Examination is required for all students.

COVID-19 Requirements: It is the policy of South Plains College for the Fall 2020 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation.

Special Requirements: Safety Policy. Students should adhere to safety standards established in the SPC Student Handbook. Further, chemical hazards and appropriate MSDS safety practices will be covered by the instructor during the first class session if potential for exposure exists.

SPC Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) & Lubbock Center 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.