

COURSE TITLE: ELPT 1315 ELECTRICAL CALCULATIONS

INSTRUCTOR: Paul Harbin
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OFFICE HOURS: As posted

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

GENERAL COURSE INFORMATION:

Course Description: This course is an introduction to mathematical applications utilized to solve problems in the electrical field. Topics include fractions, decimals, percentages, simple equations, ratio and proportion, unit conversions, applied geometry and utilization of right triangles to calculate electrical values.

Course Learning Outcomes: The goals/objectives of this course are:
Students learn to utilize a calculator to perform operations involving fractions and decimals.
Compute percentages utilizing ratio and proportions.
Solve simple equations.
Calculate areas and volumes of geometric solids.
Utilize right triangles to calculate electrical values.

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: Ugly's Electrical Reference by George V. Hart
ISBN: 0-9623229-7-0

Calculator with scientific functions.

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: Consistent with the latest CDC recommendations, we have revised our guidance for students, faculty, and staff who have a known exposure or have tested positive. Anyone with a known exposure should wear a mask for 10 days and should seek a COVID-19 test on day five after exposure. If you test positive or develop symptoms, you should immediately self-isolate and seek a COVID-19 test. Please immediately notify your instructor, supervisor, and DeEtte Edens, Associate Director of Health and Wellness, any time you test positive for COVID-19. Anyone who tests positive is required to self-isolate for five days. Following the five-day isolation period, if you are asymptomatic or your symptoms are resolving, you may return to work or class but should wear a mask for five additional days. If you are still symptomatic, please contact DeEtte Edens at dedens@southplainscollege.edu or 806-716-2376 prior to your return date.

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.

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.

Technology: Laptops for student class use are available for check out at the library on the Levelland campus. Those ELPT students in need of computers for class work may do so by going to the SPC library. Students will be responsible for the care and return of the unit.